APPENDIX B-10

STANDARD TERMS AND CONDITIONS FOR FIRM FIXED-PRICE SUBCONTRACTS FOR DESIGN / BUILD

Effective: December 14, 2007

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APPENDIX B-10
INDEX

SECTION I GENERAL

Clause 1. DEFINITIONS (MAR 2001)
Derived from FAR 52.202-1 as modified by DEAR 902.200 (DEC 2000)
(Applies to all subcontracts.)

A. "Head of the Agency" means the Secretary, Deputy Secretary, or Under Secretary of the Department of Energy.
B. "Commercial component" means any component that is a commercial item.
C. "Commercial item" means—
   1. Any item, other than real property that is of a type customarily used for non-governmental purposes and that—
      (i) Has been sold, leased, or licensed to the general public; or
      (ii) Has been offered for sale, lease, or license to the general public;
   2. Any item that evolved from an item described in paragraph (C)(1) of this clause through advances in technology or performance and that is not yet available in the commercial marketplace, but will be available in the commercial marketplace in time to satisfy the delivery requirements under a Government solicitation;
   3. Any item that would satisfy a criterion expressed in paragraphs C (1) or C (2) of this clause, but for--
      (i) Modifications of a type customarily available in the commercial marketplace; or
      (ii) Minor modifications of a type not customarily available in the commercial marketplace made to meet Federal Government requirements. "Minor" modifications means modifications that do not significantly alter the non-governmental function or essential physical characteristics of an item or component, or change the purpose of a process. Factors to be considered in determining whether a modification is minor include the value and size of the modification and the comparative value and size of the final product. Dollar values and percentages may be used as guideposts, but are not conclusive evidence that a modification is minor;
   4. Any combination of items meeting the requirements of paragraphs (C) (1), (2), (3), or (5) of this clause that are of a type customarily combined and sold in combination to the general public;
   5. Installation services, maintenance services, repair services, training services, and other services if such services are procured for support of an item referred to in paragraphs (C) (1), (2), (3), or (4) of this clause, and if the source of such services--
      (i) Offers such services to the general public and the Federal Government contemporaneously and under similar terms and conditions; and
      (ii) Offers to use the same work force for providing the Federal Government with such services as the source uses for providing such services to the general public;

   Services of a type offered and sold competitively in substantial quantities in the commercial marketplace based on established catalog or market prices for specific tasks performed under standard commercial terms and conditions. This does not include services that are sold based on hourly rates without an established catalog or market price for a specific service performed;
   Any item, combination of items, or service referred to in subparagraphs (C)(1) through (C)(5), notwithstanding the fact that the item, combination of items, or service is transferred between or among separate divisions, subsidiaries, or affiliates of a subcontractor; or
   A non-developmental item, if the procuring agency determines the item was developed exclusively at private expense and sold in substantial quantities, on a competitive basis, to multiple State and local Governments.

D. "Component" means any item supplied to the Federal Government as part of an end item or of another component, except that for use in FAR clauses derived from 52.225-9, and 52.225-11 see the definitions in 52.225-9(a) and 52.225.11(a).

E. "DOE Contracting Officer" means a person with the authority to enter into, administer, and/or terminate DOE prime contracts and make related determinations and findings with respect to subcontracts issued pursuant to the DOE prime contract. The term includes certain authorized representatives of the DOE Contracting Officer acting within the limits of their authority as delegated by the DOE Contracting Officer.

F. "NREL Subcontract Administrator" means a person with the authority to enter into, administer, and/or terminate subcontracts and make related determinations and findings. The term includes certain authorized representatives of the NREL Subcontract Administrator acting within the limits of their authority as delegated by the NREL Contracts and Business Services Director.

G. "Non-developmental item" means--

1. Any previously developed item of supply used exclusively for governmental purposes by a Federal agency, a State or local government, or a foreign government with which the United States has a mutual defense cooperation agreement;
2. Any item described in paragraph (G)(1) of this definition that requires only minor modification or modifications of a type customarily available in the commercial marketplace in order to meet the requirements of the procuring department or agency; or
3. Any item of supply being produced that does not meet the requirements of paragraph (F)(1) or (G)(2) solely because the item is not yet in use.

H. Except as otherwise provided in this subcontract, the term "subcontracts" includes, but is not limited to, lower-tier subcontracts and changes and modifications to lower-tier subcontracts and purchase orders and changes and modifications to purchase orders under this subcontract.

I. The term "DOE" means the Department of Energy.

J. "Contractor" or "DOE Prime Contractor" means Midwest Research Institute. The term "NREL" means the National Renewable Energy Laboratory Division of the Midwest Research Institute, a not-for-profit Missouri Corporation, and includes the successors and assigns of the NREL Division of Midwest Research Institute. NREL facility is a Department of Energy-owned national laboratory, operated and managed under Contract No. DE-AC36-99-GO10337 by the NREL Division of the Midwest Research Institute.

K. The term "DOE Directive" means DOE Orders and Notices, modifications thereto, and other forms of directives, including for purposes of this subcontract those portions of DOE's accounting and procedures handbook applicable to integrated Contractors, issued by DOE. The term does not include temporary written instructions by the DOE Contracting Officer or the NREL Subcontract Administrator for the purpose of addressing short-term or urgent DOE and NREL concerns relating to health, safety, or the environment.

Clause 2. SUBCONTRACT ISSUES AND DISPUTES (SEPT 2007)
(Applies to all subcontracts.)

A. It is NREL's practice to try to resolve all contractual issues by mutual agreement at the NREL Subcontract Administrator's level, without litigation. Both parties hereby agree to explore all reasonable avenues for negotiations in order to avoid a dispute. Either party may provide written notice to the other party to conduct negotiations for a period not to exceed sixty calendar days. After sixty calendar days, if possibilities for negotiations have failed, either party shall have thirty calendar days to request that the potential dispute be moved to Alternative Dispute Resolution (ADR). Within fifteen calendar days after receiving a request to move to ADR, if ADR procedures are not acceptable to the non-moving party, a written explanation citing specific reasons for rejecting ADR as inappropriate for resolution of the dispute shall be provided to the moving party.

If the parties are unable to agree on the application of ADR procedures to resolve the potential dispute or are unable to satisfactorily resolve the dispute using ADR procedures for a period not to exceed ninety calendar days (or such longer period as mutually agreed in writing), the parties shall resume the formal process authorized in this clause.

B. The parties agree that the appropriate forum for litigation of any dispute pertaining to this subcontract shall be a court of competent jurisdiction as follows:
   1. Subject to paragraph (B)(2) of this clause, any such litigation shall be brought and prosecuted exclusively in Federal District Court; with venue in the United States District Court of Colorado in Denver, Colorado.
   2. Provided, however, that in the event that the requirements for jurisdiction in any Federal District Court are not present, such litigation shall be brought in a court of competent jurisdiction in the county of Jefferson and State of Colorado.

C. Any substantive issue of law in such litigation shall be determined in accordance with the body of applicable Federal law relating to the interpretation and application of clauses derived from Federal Acquisition Regulations and the Department of Energy Acquisition Regulations that implement and supplement the FAR. If there is no applicable Federal law, the law of the State of Colorado shall apply in the determination of such issues. Conflict of law provisions shall not determine applicable governing law. Nothing in this clause shall grant to the Subcontractor by implication any statutory rights or remedies not expressly set forth in this subcontract.

D. There shall be no interruption in the prosecution of the work, and the Subcontractor shall proceed diligently with the performance of this subcontract pending final resolution of any contractual issues, disputes, or litigation arising under or related to this subcontract between the parties hereto or between the Subcontractor and lower-tier subcontractors or suppliers.

E. The Contract Disputes Act of 1978 (41 U.S.C. Sections 601-613) shall not apply to this subcontract; provided, however, that nothing in this clause shall prohibit NREL, in its sole discretion, from sponsoring a dispute of the Subcontractor for resolution under the provision of its prime contract with DOE. In the event that NREL so sponsors a dispute at the request of the Subcontractor, the Subcontractor shall be bound by the decision of the cognizant DOE Contracting Officer to the same extent and in the same manner as NREL.

F. Any disputes relative to intellectual property matters will be governed by other provisions of this subcontract.

Clause 3. LOBBYING RESTRICTIONS (ENERGY & WATER DEVELOPMENT APPROPRIATIONS ACT) (2001)
Derived from DOE Acquisition Letter 2000-11 (FD)
(Applies to all subcontracts.)

The Subcontractor or awardee agrees that none of the funds obligated on this award shall be expended, directly or indirectly, to influence Congressional action on any legislative or appropriation matters pending before Congress, other than to communicate to Members of Congress as described in 18 U.S.C. 1913. This restriction is in addition to those prescribed elsewhere in statute and regulation.

Clause 4. SUBCONTRACTOR ACCEPTANCE OF NOTICES OF VIOLATION OR ALLEGED VIOLATIONS, FINES, AND PENALTIES (MAY 2003)
(Applies to all subcontracts.)

A. The Subcontractor shall immediately notify the NREL Subcontract Administrator of any notice the Subcontractor may receive including Notice of Violations (NOV) or Notice of Alleged Violations (NOAV) issued by federal, state, or local regulators associated with the operations of NREL and/or

performance of work under the Subcontract.

B. When deemed appropriate by the NREL Subcontract Administrator, the Subcontractor shall conduct negotiations with regulators regarding NOV/NOAVs, fines and penalties, including, if the NREL Subcontract Administrator so requires, accepting NOV/NOAVs in its own name. The Subcontractor shall make no commitments or offers to regulators binding NREL/Government unless approved in advance and in writing by the NREL Subcontract Administrator. Failure to obtain such advance written approval may result in otherwise allowable costs being declared unallowable and/or the Subcontractor being liable for any excess costs to NREL/Government associated with or resulting from such offers/commitments.

C. The Subcontractor shall support and provide assistance to the Government concerning any matter arising under a NOV/NOAV.

Clause 5. ACQUISITION OF GREEN PRODUCTS (OCT 2007)

A. Definitions.

"Comprehensive Procurement Guidelines" means the Comprehensive Procurement Guideline (CPG) program is part of EPA's continuing effort to promote the use of materials recovered from solid waste. Buying recycled-content products ensures that the materials collected in recycling programs will be used again in the manufacture of new products. Through CPG, EPA designates items that must contain recycled content when purchased by federal, state, and local agencies, or by government contractors using appropriated federal funds. An updated list of designated and proposed construction products with the accompanying recycled-content recommendations is located at: www.epa.gov website.

"Environmentally Preferable Products" means environmentally preferable products (EPP) and services are defined as those which "have a lesser or reduced effect on human health and the environment when compared to other products and services that serve the same purpose. This comparison may consider raw materials acquisition, production, manufacturing, packaging, distribution, reuse, operation, maintenance or disposal of the product or service. For more details, please refer to the *Final Guidance on Environmentally Preferable Purchasing* at: www.epa.gov website.

"Green Purchasing construction products" means construction products that —

1. Are listed as a designated or proposed construction product on the EPA CPG; or
2. Are an EPP as referred to in EPA's Final Guidance on EPP.

B. Green Purchasing - Construction Products.

Executive Order 13423, enacted January 24, 2007, requires federal agency acquisition of goods and services that (a) use of sustainable environmental practices, including acquisition of biobased, environmentally preferable, energy-efficient, water-efficient, and recycled-content products, and (b) use of paper of at least 30 percent post-consumer fiber content.

1. This Article provides a preference for Green Purchasing construction products.
2. The Subcontractor shall use Green Purchasing construction products as percentages of total construction materials recommended by the CPG, at a minimum, and to the extent practicable for materials not listed on the CPG.
3: Designated Construction Products for Green Purchasing are included below. The allowable percentages of recycled content in each product can be found on EPA's CPG website: www.epa.gov.

Designated Green Purchasing construction products:

a. Building insulation products
b. Carpet (polyester)
c. Carpet cushion
d. Cement and concrete containing: Coal fly ash; Ground granulated blast furnace slag; Cenospheres; Silica fume
e. Consolidated and reprocessed latex paint
f. Floor tiles
g. Flowable fill
h. Laminated paperboard
i. Modular threshold ramps
j. Nonpressure pipe
k. Patio blocks
l. Railroad grade crossing surfaces
m. Roofing materials
n. Shower and restroom dividers/partitions
o. Structural fiberboard

C. Data Report

The Subcontractor shall provide to NREL a data report that includes the following information, at a minimum:

1. Quantities used of CPG listed Green Purchasing construction materials;
2. Quantities used of non-CPG listed Green Purchasing construction materials;
3. Quantities of all construction materials used; and
4. Quantity Prices (dollars) for each of the categories of materials listed above.

Clause 6. COVENANT AGAINST CONTINGENT FEES (APR 1984)
Derived from FAR 52.203-5

A. The Subcontractor warrants that no person or agency has been employed or retained to solicit or obtain this subcontract upon an agreement or understanding for a contingent fee, except a bona fide employee or agency. For breach or violation of this warranty, the Government shall have the right to annul this subcontract without liability or, in its discretion, to deduct from the subcontract price or consideration, or otherwise recover, the full amount of the contingent fee.

B. "Bona fide agency," as used in this clause, means an established commercial or selling agency, maintained by a subcontractor for the purpose of securing business, that neither exerts nor proposes to exert improper influence to solicit or obtain Government contracts nor holds itself out as being able to obtain any Government subcontract or subcontracts through improper influence.
"Bona fide employee," as used in this clause, means a person, employed by a subcontractor and subject to the subcontractor's supervision and control as to time, place, and manner of performance, who neither exerts nor proposes to exert improper influence to solicit or obtain NREL subcontracts nor holds out as being able to obtain any NREL subcontract or subcontracts through improper influence.
"Contingent fee," as used in this clause, means any commission, percentage, brokerage, or other fee that is contingent upon the success that a person or concern has in securing a NREL subcontract.
"Improper influence," as used in this clause, means any influence that induces or tends to induce a NREL employee or officer to give consideration or to act regarding a NREL subcontract on any basis other than the merits of the matter.

Clause 7. RESTRICTIONS ON LOWER-TIER SUBCONTRACTOR SALES TO NREL/GOVERNMENT (JUL 1995)
Derived from FAR 52.203-6 (FD)
(Applies to all subcontracts exceeding $100,000.)

A. Except as provided in paragraph (B) of this clause, the Subcontractor shall not enter into any agreement with an actual or prospective lower-tier subcontractor, nor otherwise act in any manner, which has or may have the effect of restricting sales by such lower-tier subcontractors directly to NREL/Government of any item or process (including computer software) made or furnished by the lower-tier subcontractor under this subcontract or under any follow-on production subcontract.
B. The prohibition in paragraph (A) of this clause does not preclude the Subcontractor from asserting rights that are otherwise authorized by law or regulation.
C. The Subcontractor agrees to incorporate the substance of this clause, including this paragraph (C), in all lower-tier subcontracts under this subcontract which exceed $100,000.

Clause 8. ANTI-KICKBACK PROCEDURES (JUL 1995)
Derived from FAR 52.203-7 (FD)
(Applies to all subcontracts exceeding $100,000.)

A. Definitions.
"Kickback," as used in this clause, means any money, fee, commission, credit, gift, gratuity, thing of value, or compensation of any kind which is provided, directly or indirectly, to any Prime Contractor, Prime Contractor employee, Subcontractor, or Subcontractor employee for the purpose of improperly obtaining or rewarding favorable treatment in connection with a prime contract or in connection with a subcontract relating to a prime contract.
"Person," as used in this clause, means a corporation, partnership, business association of any kind, trust, joint-stock company, or individual.
"Prime contract," as used in this clause, means a contract or contractual action entered into by the United States for the purpose of obtaining supplies, materials, equipment, or services of any kind.
"Prime Contractor," as used in this clause, means a person who has entered into a prime contract with the United States.
"Prime Contractor employee," as used in this clause, means any officer, partner, employee, or agent of a Prime Contractor.
"Subcontract," as used in this clause, means a contract or contractual action entered into by a Prime Contractor or Subcontractor for the purpose of obtaining supplies, materials, equipment, or services of any kind under a prime contract.
"Subcontractor," as used in this clause, (1) means any person, other than the Prime Contractor, who offers to furnish or furnishes any supplies, materials, equipment, or services of any kind under a prime contract or a subcontract entered into in connection with such prime contract, and (2) includes any person who offers to furnish or furnishes general supplies to the Prime Contractor or a higher-tier subcontractor.
"Subcontractor employee," as used in this clause, means any officer, partner, employee, or agent of a Subcontractor.
B. The Anti-Kickback Act of 1986 (41 U.S.C. 51-58) (the Act), prohibits any person from--
   1. Providing or attempting to provide or offering to provide any kickback;
   2. Soliciting, accepting, or attempting to accept any kickback; or
   3. Including, directly or indirectly, the amount of any kickback in the contract price charged by a Prime Contractor to the United States or in the subcontract price charged by a Subcontractor to

a Prime Contractor or higher-tier subcontractor.

C.

1. The Subcontractor shall have in place and follow reasonable procedures designed to prevent and detect violations described in paragraph (B) of this clause in its own operations and direct business relationships.
2. When the Subcontractor has reasonable grounds to believe that a violation described in paragraph (B) of this clause may have occurred, the Subcontractor shall promptly report in writing the possible violation. Such reports shall be made to the inspector general of the Department of Energy, the head of the DOE if the agency does not have an inspector general, or the Department of Justice.
3. The Subcontractor shall cooperate fully with any Federal agency and NREL investigating a possible violation described in paragraph (B) of this clause.
4. The DOE Contracting Officer may--
   (i) Direct NREL to offset the amount of the kickback against any monies owed by NREL under this subcontract and/or
   (ii) Direct that the Subcontractor withhold from sums owed the lower-tier subcontractor the amount of the kickback. The DOE Contracting Officer may order that monies withheld under subdivision (C)(4)(ii) of this clause be paid over to NREL or the Government unless NREL has already offset those monies under subdivision (C)(4)(i) of this clause. In either case, the Subcontractor shall notify the NREL Subcontract Administrator when the monies are withheld.
5. The Subcontractor agrees to incorporate the substance of this clause, including subparagraph (C)(5) but excepting paragraph (C)(1), in all lower-tier subcontracts under this subcontract which exceed $100,000.

Clause 9. LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (JUN 1997)
Derived from FAR 52.203-12 (FD)
(Applies to all subcontracts exceeding $100,000.)

A. Definitions.

"Agency," as used in this clause, means executive agency as defined in FAR 2.101.

"Covered Federal action," as used in this clause, means any of the following Federal actions:

1. The awarding of any Federal contract or a subcontract under a Federal contract.
2. The making of any Federal grant.
3. The making of any Federal loan.
4. The entering into of any cooperative agreement.
5. The extension, continuation, renewal, amendment, or modification of any Federal contract or a subcontract under a Federal contract, grant, loan, or cooperative agreement.

"Indian tribe" and "tribal organization," as used in this clause, have the meaning provided in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450 B) and include Alaskan Natives.

"Influencing or attempting to influence," as used in this clause, means making, with the intent to influence, any communication to or appearance before an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any covered Federal action.

"Local Government," as used in this clause, means a unit of Government in a State and, if chartered, established, or otherwise recognized by a State for the performance of a governmental duty, including a local public authority, a special district, an intrastate district, a council of governments, a

sponsor group representative organization, and any other instrumentality of a Local Government.
"Officer or employee of an agency," as used in this clause, includes the following individuals who are employed by an agency:

1. An individual who is appointed to a position in the Government under Title 5, United States Code, including a position under a temporary appointment.
2. A member of the uniformed services, as defined in subsection 101(3), Title 37, United States Code.
3. A special Government employee, as defined in section 202, Title 18, United States Code.
4. An individual who is a member of a Federal advisory committee, as defined by the Federal Advisory Committee Act, Title 5, United States Code, appendix 2.

"Person," as used in this clause, means an individual, corporation, company, association, authority, firm, partnership, society, State, and Local Government, regardless of whether such entity is operated for profit, or not for profit. This term excludes an Indian tribe, tribal organization, or any other Indian organization with respect to expenditures specifically permitted by other Federal law.
"Reasonable compensation," as used in this clause, means, with respect to a regularly employed officer or employee of any person, compensation that is consistent with the normal compensation for such officer or employee for work that is not furnished to, not funded by, or not furnished in cooperation with the Federal Government.
"Reasonable payment," as used in this clause, means, with respect to professional and other technical services, a payment in an amount that is consistent with the amount normally paid for such services in the private sector.
"Recipient," as used in this clause, includes the Subcontractor and all lower-tier subcontractors. This term excludes an Indian tribe, tribal organization, or any other Indian organization with respect to expenditures specifically permitted by other Federal law.
"Regularly employed," as used in this clause, means, with respect to an officer or employee of a person requesting or receiving a Federal contract or subcontract under a Federal contract, an officer or employee who is employed by such person for at least one hundred and thirty (130) working days within one (1) year immediately preceding the date of the submission that initiates agency consideration of such person for receipt of such contract or subcontract. An officer or employee who is employed by such person for less than one hundred and thirty (130) working days within one (1) year immediately preceding the date of the submission that initiates agency consideration of such person shall be considered to be regularly employed as soon as he or she is employed by such person for one hundred and thirty (130) working days.
"State," as used in this clause, means a State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, a territory or possession of the United States, an agency or instrumentality of a State, and multi-State, regional, or interstate entity having governmental duties and powers.

B. Prohibitions.

1. Section 1352 of Title 31, United States Code, among other things, prohibits a recipient of a Federal contract or subcontract under a Federal contract, grant, loan, or cooperative agreement from using appropriated funds to pay any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered Federal actions: the awarding of any Federal contract or subcontract under a Federal contract; the making of any Federal grant; the making of any Federal loan; the entering into of any cooperative agreement; or the modification of any Federal contract or subcontract under a Federal contract, grant, loan, or cooperative agreement.
2. The Act also requires Subcontractors to furnish a disclosure if any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an

employee of a Member of Congress in connection with a Federal contract or subcontract under a Federal contract, grant, loan, or cooperative agreement.

3. The prohibitions of the Act do not apply under the following conditions:
   (i) Agency and legislative liaison by own employees.
      (a) The prohibition on the use of appropriated funds, in subparagraph (B)(1) of this clause, does not apply in the case of a payment of reasonable compensation made to an officer or employee of a person requesting or receiving a covered Federal action if the payment is for agency and legislative liaison activities not directly related to a covered Federal action.
      (b) For purposes of subdivision (B)(3)(i)(a) of this clause, providing any information specifically requested by an agency or Congress is permitted at any time.
      (c) The following agency and legislative liaison activities are permitted at any time where they are not related to a specific solicitation for any covered Federal action:
         1. Discussing with an agency the qualities and characteristics (including individual demonstrations) of the person's products or services, conditions or terms of sale, and service capabilities.
         2. Technical discussions and other activities regarding the application or adaptation of the person's products or services for an agency's use.
      (d) The following agency and legislative liaison activities are permitted where they are prior to formal solicitation of any covered Federal action--
         1. Providing any information not specifically requested but necessary for an agency to make an informed decision about initiation of a covered Federal action;
         2. Technical discussions regarding the preparation of an unsolicited proposal prior to its official submission; and
         3. Capability presentations by persons seeking awards from an agency pursuant to the provisions of the Small Business Act, as amended by Pub.L.95-507, and subsequent amendments.
      (e) Only those services expressly authorized by subdivision (B)(3)(i)(a) of this clause are permitted under this clause.
   (ii) Professional and technical services.
      (a) The prohibition on the use of appropriated funds, in subparagraph (B)(1) of this clause, does not apply in the case of –
         1. A payment of reasonable compensation made to an officer or employee of a person requesting or receiving a covered Federal action or an extension, continuation, renewal, amendment, or modification of a covered Federal action, if payment is for professional or technical services rendered directly in the preparation, submission, or negotiation of any bid, proposal, or application for that Federal action or for meeting requirements imposed by or pursuant to law as a condition for receiving that Federal action.
         2. Any reasonable payment to a person, other than an officer or employee of a person requesting or receiving a covered Federal action or an extension, continuation, renewal, amendment, or modification of a covered Federal action if the payment is for professional or technical services rendered directly in the preparation, submission, or negotiation of any bid, proposal, or application for that Federal action or for meeting requirements imposed by or pursuant to law as a condition for receiving that Federal action. Persons other than officers or employees of a person requesting or receiving a covered Federal action include consultants and trade associations.
      (b) For purposes of subdivision (B)(3)(ii)(a) of this clause, "professional and technical services" shall be limited to advice and analysis directly applying any professional or technical discipline. For example, drafting of a legal document accompanying a bid or

proposal by a lawyer is allowable. Similarly, technical advice provided by an engineer on the performance or operational capability of a piece of equipment rendered directly in the negotiation of a contract or subcontract is allowable. However, communications with the intent to influence made by a professional (such as a licensed lawyer) or a technical person (such as a licensed accountant) are not allowable under this section unless they provide advice and analysis directly applying their professional or technical expertise and unless the advice or analysis is rendered directly and solely in the preparation, submission or negotiation of a covered Federal action. Thus, for example, communications with the intent to influence made by a lawyer that do not provide legal advice or analysis directly and solely related to the legal aspects of his or her client's proposal, but generally advocate one proposal over another are not allowable under this section because the lawyer is not providing professional legal services. Similarly, communications with the intent to influence made by an engineer providing an engineering analysis prior to the preparation or submission of a bid or proposal are not allowable under this section since the engineer is providing technical services but not directly in the preparation, submission or negotiation of a covered Federal action.

(c) Requirements imposed by or pursuant to law as a condition for receiving a covered Federal award include those required by law or regulation and any other requirements in the actual award documents.

(d) Only those services expressly authorized by subdivisions (B)(3)(ii)(a)(1) and (2) of this clause are permitted under this clause.

(e) The reporting requirements of FAR 3.803(a) shall not apply with respect to payments of reasonable compensation made to regularly employed officers or employees of a person.

C. Disclosure.

1. The Subcontractor who requests or receives from an agency a Federal contract or subcontract under a Federal contract shall file with that agency a disclosure form, OMB standard form LLL, Disclosure of Lobbying Activities, if such person has made or has agreed to make any payment using nonappropriated funds (to include profits from any covered Federal action), which would be prohibited under subparagraph (B)(1) of this clause, if paid for with appropriated funds.
2. The Subcontractor shall file a disclosure form at the end of each calendar quarter in which there occurs any event that materially affects the accuracy of the information contained in any disclosure form previously filed by such person under subparagraph (C)(1) of this clause. An event that materially affects the accuracy of the information reported includes--
   (i) A cumulative increase of $25,000 or more in the amount paid or expected to be paid for influencing or attempting to influence a covered Federal action; or
   (ii) A change in the person(s) or individual(s) influencing or attempting to influence a covered Federal action; or
   (iii) A change in the officer(s), employee(s), or Member(s) contacted to influence or attempt to influence a covered Federal action.
3. The Subcontractor shall require the submittal of a certification, and if required, a disclosure form by any person who requests or receives any subcontract exceeding $100,000 under the Federal contract.
4. All lower-tier subcontractor disclosure forms (but not certifications) shall be forwarded from tier to tier until received by the Subcontractor. The Subcontractor shall submit all disclosures to the NREL Subcontract Administrator at the end of the calendar quarter in which the disclosure form is submitted by the Subcontractor. Each lower-tier subcontractor certification shall be retained in the subcontract file of the awarding Subcontractor.

D. Agreement.

The Subcontractor agrees not to make any payment prohibited by this clause.

E. Penalties.
   1. Any person who makes an expenditure prohibited under paragraph (A) of this clause or who fails to file or amend the disclosure form to be filed or amended by paragraph (B) of this clause shall be subject to civil penalties as provided for by 31 U.S.C. 1352. An imposition of a civil penalty does not prevent the Government from seeking any other remedy that may be applicable.
   2. Subcontractors may rely without liability on the representation made by their lower-tier subcontractors in the certification and disclosure form.

F. Cost allowability.
   Nothing in this clause makes allowable or reasonable any costs that would otherwise be unallowable or unreasonable. Conversely, costs made specifically unallowable by the requirements in this clause will not be made allowable under any other provision.

Clause 10. PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER (VARIANCE) (MAY 2003)
Derived from FAR 52.204-4 (AUG 2000)
(Applies to all subcontracts exceeding $100,000.)

A. Definitions. As used in this clause-
   "Postconsumer material" means a material or finished product that has served its intended use and has been discarded for disposal or recovery, having completed its life as a consumer item. Postconsumer material is a part of the broader category of "recovered material." For paper and paper products, postconsumer material means "postconsumer fiber" defined by the U.S. Environmental Protection Agency (EPA).
   "Printed or copied double-sided" means printing or reproducing a document so that information is on both sides of a sheet of paper.
B. When not using electronic commerce methods to submit information or data to NREL, the Subcontractor is encouraged to submit paper documents, such as offers, letters, or reports, that are printed or copied double-sided on recycled paper that meet a minimum 30 percent postconsumer material standard.
C. If paper products, including high-speed copier paper, offset paper, forms bond, computer printout paper, carbonless paper, white wove envelopes, writing and office paper, and cover stock, meeting the recommended 30 percent postconsumer material standard is not obtainable at a reasonable price or does not meet reasonable performance standards, the Subcontractor is encouraged to use paper containing no less than 20 percent postconsumer material for use in submitting paper documents to NREL.

Clause 11. PROTECTING NREL'S/GOVERNMENT'S INTEREST WHEN SUBCONTRACTING AT ANY TIER WITH CONTRACTORS AND SUBCONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT (JUL 1995)
Derived from FAR 52.209-6 (FD)
(Applies to all subcontracts with lower-tier subcontracts exceeding $25,000.)

A. The Government suspends or debars contractors to protect the Government's interests. The Subcontractor shall not enter into any lower-tier subcontract in excess of $25,000 with a lower-tier subcontractor that is debarred, suspended, or proposed for debarment unless there is a compelling reason to do so.
B. The Subcontractor shall require each proposed lower-tier subcontractor, whose lower-tier subcontract will exceed $25,000, to disclose to the Subcontractor, in writing, whether as of the time

of award of the lower-tier subcontract, the lower-tier subcontractor, or its principals, is or is not debarred, suspended, or proposed for debarment by the Federal Government.

C. A corporate officer or a designee of the Subcontractor shall notify the NREL Subcontract Administrator, in writing, before entering into a lower-tier subcontract with a party that is debarred, suspended, or proposed for debarment (see FAR 9.404 for information on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs). The notice must include the following:
   1. The name of the lower-tier subcontractor.
   2. The Subcontractor's knowledge of the reasons for the lower-tier subcontractor being on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs.
   3. The compelling reason(s) for doing business with the lower-tier subcontractor notwithstanding its inclusion on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs.
   4. The systems and procedures the Subcontractor has established to ensure that it is fully protecting NREL/Government's interests when dealing with such lower-tier subcontractor in view of the specific basis for the party's debarment, suspension, or proposed debarment.

Clause 12. AUDIT AND RECORDS--NEGOTIATION (JUN 1999) AND ALTERNATE II (APR 1998)
Derived from FAR 52.215-2 (FD)
(Applies to all subcontracts exceeding $100,000.)

A. As used in this clause, "records" includes books, documents, accounting procedures and practices, and other data, regardless of type and regardless of whether such items are written form, in the form of computer data, or in any other form.

B. Examination of Costs
If this is a cost-reimbursement, incentive, time-and-materials, labor-hour, or price redeterminable subcontract, or any combination of these, the Subcontractor shall maintain and the DOE Contracting Officer, or an authorized representative of the DOE Contracting Officer, shall have the right to examine and audit all records and other evidence sufficient to reflect properly all costs claimed to have been incurred or anticipated to be incurred directly or indirectly in performance of this subcontract. This right of examination shall include inspection at all reasonable times of the Subcontractor's plants, or part of them, engaged in performing the subcontract.

C. Cost or pricing data
If the Subcontractor has been required to submit cost or pricing data in connection with any pricing action relating to this subcontract, the DOE Contracting Officer, or an authorized representative of the DOE Contracting Officer, in order to evaluate the accuracy, completeness, and currency of the cost or pricing data, shall have the right to examine and audit all of the Subcontractor's records, including computation and projections, related to--
   1. The proposal for the subcontract, lower-tier subcontract, or modification;
   2. The discussions conducted on the proposal(s), including those related to negotiating;
   3. Pricing of the subcontract, lower-tier subcontract, or modification; or
   4. Performance of the subcontract, lower-tier subcontract, or modification.

D. Comptroller General
   1. The Comptroller General of the United States, or an authorized representative, shall have access to and the right to examine any of the Subcontractor's directly pertinent records involving transactions related to this subcontract or a lower-tier subcontract hereunder.
   2. This paragraph may not be construed to require the Subcontractor or lower-tier subcontractor to create or maintain any record that the Subcontractor or lower-tier subcontractor does not maintain in the ordinary course of business or pursuant to a provision of law.

E. Reports
If the Subcontractor is required to furnish cost, funding, or performance reports, the DOE Contracting Officer or any authorized representative of the DOE Contracting Officer, shall have the right to examine and audit the supporting records and materials, for the purpose of evaluating--
1. The effectiveness of the Subcontractor's policies and procedures to produce data compatible with the objectives of these reports; and
2. The data reported.

F. Availability
The Subcontractor shall make available at its office at all reasonable times the records, materials, and other evidence described in paragraphs (A), (B), (C), (D), and (E) of this clause, for examination, audit, or reproduction, until 3 years after final payment under this subcontract or for any shorter period specified in Subpart 4.7, Subcontractor Records Retention, of the Federal Acquisition Regulation (FAR), or for any longer period required by statute or by other clauses of this subcontract. In addition--
1. If this subcontract is completely or partially terminated, the records relating to the work terminated shall be made available for three (3) years after any resulting final termination settlement; and
2. Records relating to appeals under the Disputes clause or to litigation or the settlement of claims arising under or relating to this subcontract shall be made available until such appeals, litigation, or claims are finally resolved.

G. The Subcontractor shall insert a clause containing all the terms of this clause, including this paragraph (G), in all lower-tier subcontracts under this subcontract that exceed the simplified acquisition threshold, and--
1. That are cost-reimbursement, incentive, time-and-materials, labor-hour, or price-redeterminable type or any combination of these;
2. For which cost or pricing data are required; or
3. That require the lower-tier subcontractor to furnish reports as discussed in paragraph (E) of this clause.

The clause may be altered only as necessary to identify properly the contracting parties and the DOE Contracting Officer or NREL Subcontract Administrator under the Government prime contract.

Clause 13. UTILIZATION OF SMALL BUSINESS CONCERNS. (OCT 2000)
Derived from FAR 52.219-8 (FD)
(Applies to all subcontracts exceeding $100,000.)

A. It is the policy of the United States that small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small business concerns, HUBZone small business concerns, small disadvantaged business concerns, and women-owned small business concerns shall have the maximum practicable opportunity to participate in performing subcontracts let by any Federal agency, including subcontracts and lower-tier subcontracts for subsystems, assemblies, components, and related services for major systems. It is further the policy of the United States that its Contractors and Subcontractors establish procedures to ensure the timely payment of amounts due pursuant to the terms of their subcontracts with small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small business concerns, HUBZone small business concerns, small disadvantaged business concerns, and women-owned small business concerns.

B. The Subcontractor hereby agrees to carry out this policy in the awarding of lower-tier subcontracts to the fullest extent consistent with efficient subcontract performance. The Subcontractor further agrees to cooperate in any studies or surveys as may be conducted by the United States Small

Business Administration or the awarding agency of the United States as may be necessary to determine the extent of the Subcontractor's compliance with this clause.

C. Definitions.

As used in this subcontract--

"HUBZone small business concern" means a small business concern that appears on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration.

"Service-disabled veteran-owned small business concern"--

1. Means a small business concern--
   (i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and
   (ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.
2. Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern" means a small business as defined pursuant to Section 3 of the Small Business Act and relevant regulations promulgated pursuant thereto.

"Small disadvantaged business concern" means a small business concern that represents, as part of its offer that--

1. It has received certification as a small disadvantaged business concern consistent with 13 CFR part 124, Subpart B;
2. No material change in disadvantaged ownership and control has occurred since its certification;
3. Where the concern is owned by one or more individuals, the net worth of each individual upon whom the certification is based does not exceed $750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104©(2); and
4. It is identified, on the date of its representation, as a certified small disadvantaged business in the database maintained by the Small Business Administration (PRO-Net).

"Veteran-owned small business concern" means a small business concern--

1. Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and
2. The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern" means a small business concern--

1. That is at least 51 percent owned by one or more women, or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and
2. Whose management and daily business operations are controlled by one or more women.

D. Subcontractors acting in good faith may rely on written representations by their lower-tier subcontractors regarding their status as a small business concern, a veteran-owned small business concern, a service-disabled veteran-owned small business concern, a HUBZone small business concern, a small disadvantaged business concern, or a women-owned small business concern.

Clause 14. CONVICT LABOR (JUN 2003)
Derived from FAR 52.222-3

A. Except as provided in paragraph (b) of this clause, the Subcontractor shall not employ in the performance of this contract any person undergoing a sentence of imprisonment imposed by any court of a State, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, or the U.S. Virgin Islands.

B. The Subcontractor is not prohibited from employing persons—
1. On parole or probation to work at paid employment during the term of their sentence;
2. Who have been pardoned or who have served their terms; or
3. Confined for violation of the laws of any of the States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, or the U.S. Virgin Islands who are authorized to work at paid employment in the community under the laws of such jurisdiction, if—
(i) The worker is paid or is in an approved work training program on a voluntary basis;
(ii) Representatives of local union central bodies or similar labor union organizations have been consulted;
(iii) Such paid employment will not result in the displacement of employed workers, or be applied in skills, crafts, or trades in which there is a surplus of available gainful labor in the locality, or impair existing contracts for services;
(iv) The rates of pay and other conditions of employment will not be less than those paid or provided for work of a similar nature in the locality in which the work is being performed; and
(v) The Attorney General of the United States has certified that the work-release laws or regulations of the jurisdiction involved are in conformity with the requirements of Executive Order 11755, as amended by Executive Orders 12608 and 12943.

Clause 15. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT—OVERTIME COMPENSATION (SEPT 2000)
Derived from FAR 52.222-4 (FD)
(Applies to subcontracts exceeding $100,000 involving the substantial employment of laborers or mechanics.)

A. Overtime requirements.
No Subcontractor or lower-tier subcontractor employing laborers or mechanics (see Federal Acquisition Regulation 22.300) shall require or permit them to work over 40 hours in any workweek unless they are paid at least 1 and ½ times the basic rate of pay for each hour worked over 40 hours.

B. Violation; liability for unpaid wages; liquidated damages.
The responsible Subcontractor and lower-tier subcontractor are liable for unpaid wages if they violate the terms in paragraph (A) of this clause. In addition, the Subcontractor and lower-tier subcontractor are liable for liquidated damages payable to NREL. The NREL Subcontract Administrator will assess liquidated damages at the rate of $10 per affected employee for each calendar day on which the employer required or permitted the employee to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by the Contract Work Hours and Safety Standards Act.

C. Withholding for unpaid wages and liquidated damages.
The NREL Subcontract Administrator will withhold from payments due under the subcontract sufficient funds required to satisfy any Subcontractor or lower-tier subcontractor liabilities for unpaid wages and liquidated damages. If amounts withheld under the subcontract are insufficient to satisfy Subcontractor or lower-tier subcontractor liabilities, the NREL Subcontract Administrator will withhold payments from other Federal or Federally assisted subcontracts held by the same Subcontractor or lower-tier subcontractor that are subject to the Contract Work Hours and Safety Standards Act.

D. Payrolls and basic records.
1. The Subcontractor and its lower-tier subcontractors shall maintain payrolls and basic payroll records for all laborers and mechanics working on the subcontract during the subcontract and shall make them available to NREL/Government until 3 years after subcontract completion. The

records shall contain the name and address of each employee, social security number, labor classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. The records need not duplicate those required for construction work by Department of Labor regulations at 29 CFR 5.5A (3) implementing the Davis-Bacon Act.

2. The Subcontractor and its lower-tier subcontractors shall allow authorized representatives of the NREL Subcontract Administrator or the Department of Labor to inspect, copy, or transcribe records maintained under paragraph (D) (1) of this clause. The Subcontractor or lower-tier subcontractor also shall allow authorized representatives of the NREL Subcontract Administrator or Department of Labor to interview employees in the workplace during working hours.

E. Lower-tier subcontracts.
The Subcontractor shall insert the provisions set forth in paragraphs (A) through (D) of this clause in lower-tier subcontracts exceeding $100,000 and require lower-tier Subcontractors to include these provisions in any sub-tier subcontracts. The Subcontractor shall be responsible for compliance by any lower-tier Subcontractor or lower-tier subcontractor with the provisions set forth in paragraphs (A) through (D) of this clause.

Clause 16. PROHIBITION OF SEGREGATED FACILITIES (FEB 1999)
Derived from FAR 52.222-21 (FD)
(Applies to subcontracts where the "Equal Opportunity Clause" is applicable.)

A. "Segregated facilities," as used in this clause, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, or national origin because of written or oral policies or employee custom. The term does not include separate or single-user rest rooms or necessary dressing or sleeping areas provided to assure privacy between the sexes.

B. The Subcontractor agrees that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The Subcontractor agrees that a breach of this clause is a violation of the Equal Opportunity clause in this contract.

C. The Subcontractor shall include this clause in every lower-tier subcontract and purchase order that is subject to the Equal Opportunity clause of this contract.

Clause 17. EQUAL OPPORTUNITY (APR 2002)
Derived from FAR 52.222-26 (FD)
(Applies to all subcontracts unless exempt from Executive Order 11246 (See FAR 22.807(a).)

A. Definition. "United States," as used in this clause, means the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.

B. If, during any 12-month period (including the 12 months preceding the award of this subcontract), the Subcontractor has been or is awarded nonexempt Federal contracts and/or subcontracts that have an aggregate value in excess of $10,000, the Subcontractor shall comply with paragraphs (b)(1) through (b)(11) of this clause, except for work performed outside the United States by employees who were not recruited within the United States. Upon request, the Subcontractor shall provide

information necessary to determine the applicability of this clause.

1. The Subcontractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. However, it shall not be a violation of this clause for the Subcontractor to extend a publicly announced preference in employment to Indians living on or near an Indian reservation, in connection with employment opportunities on or near an Indian reservation, as permitted by 41 CFR 60-1.5.
2. The Subcontractor shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. This shall include, but not be limited to-
   (i) Employment;
   (ii) Upgrading;
   (iii) Demotion;
   (iv) Transfer;
   (v) Recruitment or recruitment advertising;
   (vi) Layoff or termination;
   (vii) Rates of pay or other forms of compensation; and
   (viii) Selection for training, including apprenticeship.
3. The Subcontractor shall post in conspicuous places available to employees and applicants for employment the notices to be provided by the Subcontract Administrator that explain this clause.
4. The Subcontractor shall, in all solicitations or advertisements for employees placed by or on behalf of the Subcontractor; state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.
5. The Subcontractor shall send, to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, the notice to be provided by the Subcontract Administrator advising the labor union or workers' representative of the Subcontractor's commitments under this clause, and post copies of the notice in conspicuous places available to employees and applicants for employment.
6. The Subcontractor shall comply with Executive Order 11246, as amended, and the rules, regulations, and orders of the Secretary of Labor.
7. The Subcontractor shall furnish to the Subcontract Administrator all information required by Executive Order 11246, as amended, and by the rules, regulations, and orders of the Secretary of Labor. The Subcontractor shall also file Standard Form 100 (EEO-1), or any successor form, as prescribed in 41 CFR part 60-1. Unless the Subcontractor has filed within the 12 months preceding the date of subcontract award, the Subcontractor shall, within 30 days after subcontract award, apply to either the regional Office of Federal Contract Compliance Programs (OFCCP) or the local office of the Equal Employment Opportunity Commission for the necessary forms.
8. The Subcontractor shall permit access to its premises, during normal business hours, by the Subcontract Administrator or the OFCCP for the purpose of conducting on-site compliance evaluations and complaint investigations. The Subcontractor shall permit NREL to inspect and copy any books, accounts, records (including computerized records), and other material that may be relevant to the matter under investigation and pertinent to compliance with Executive Order 11246, as amended, and rules and regulations that implement the Executive Order.
9. If the OFCCP determines that the Subcontractor is not in compliance with this clause or any rule, regulation, or order of the Secretary of Labor, this subcontract may be canceled, terminated, or suspended in whole or in part and the Subcontractor may be declared ineligible for further Government contracts, under the procedures authorized in Executive Order 11246, as amended. In addition, sanctions may be imposed and remedies invoked against the Subcontractor as provided in Executive Order 11246, as amended; in the rules, regulations, and orders of the Secretary of Labor; or as otherwise provided by law.

10. The Subcontractor shall include the terms and conditions of paragraphs (b)(1) through (11) of this clause in every subcontract or purchase order that is not exempted by the rules, regulations, or orders of the Secretary of Labor issued under Executive Order 11246, as amended, so that these terms and conditions will be binding upon each subcontractor or vendor.
11. The Subcontractor shall take such action with respect to any subcontract or purchase order as the Subcontract Administrator may direct as a means of enforcing these terms and conditions, including sanctions for noncompliance, provided, that if the Subcontractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of any direction, the Subcontractor may request the United States to enter into the litigation to protect the interests of the United States.

C. Notwithstanding any other clause in this contract, disputes relative to this clause will be governed by the procedures in 41 CFR 60-1.1.

Clause 18. AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA (APR 1998)
Derived from FAR 52.222-35 (FD)
(Applies to all subcontracts exceeding $10,000.)

A. Definitions. As used in this clause--
"All employment openings" includes all positions except executive and top management, those positions that will be filled from within the Subcontractor's organization, and positions lasting three (3) days or less. This term includes full-time employment, temporary employment of more than three (3) days' duration, and part-time employment.
"Appropriate office of the State employment service system" means the local office of the Federal-State national system of public employment offices with assigned responsibility to serve the area where the employment opening is to be filled, including the District of Columbia, Guam, the Commonwealth of Puerto Rico, and the Virgin Islands.
"Positions that will be filled from within the Subcontractor's organization" means employment openings for which no consideration will be given to persons outside the Subcontractor's organization (including any affiliates, subsidiaries, and parent companies) and includes any openings that the Subcontractor proposes to fill from regularly established "recall" lists. The exception does not apply to a particular opening once an employer decides to consider applicants outside of its organization.
"Veteran of the Vietnam era" means a person who--
1. Served on active duty for a period of more than 180 days, any part of which occurred between August 5, 1964, and May 7, 1975, and was discharged or released there from with other than a dishonorable discharge; or
2. Was discharged or released from active duty for a service-connected disability if any part of such active duty was performed between August 5, 1964 and May 7, 1975.

B. General.
1. Regarding any position for which the employee or applicant for employment is qualified, the Subcontractor shall not discriminate against the individual because the individual is a disabled veteran or a veteran of the Vietnam era. The Subcontractor agrees to take affirmative action to employ, advance in employment, and otherwise treat qualified special disabled and Vietnam Era veterans without discrimination based upon their disability or veterans' status in all employment practices such as--
   (i) Employment;
   (ii) Upgrading;
   (iii) Demotion or transfer;
   (iv) Recruitment;

(v) Advertising;
(vi) Layoff or termination;
(vii) Rates of pay or other forms of compensation; and
(viii) Selection for training, including apprenticeship.

2. The Subcontractor agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor (Secretary) issued under the Vietnam Era Veterans' Readjustment Assistance Act of 1972 (the Act), as amended.

C. Listing openings.

1. The Subcontractor agrees to list all employment openings existing at subcontract award or occurring during subcontract performance, at an appropriate office of the State employment service system in the locality where the opening occurs. These openings include those occurring at any Subcontractor facility, including one not connected with performing this subcontract. An independent corporate affiliate is exempt from this requirement.
2. State and Local Government agencies holding Federal contracts or subcontracts of $10,000 or more shall also list all their suitable openings with the appropriate office of the State employment service.
3. The listing of suitable employment openings with the State employment service system is required at least concurrently with using any other recruitment source or effort and involves the obligations of placing a bona fide job order, including accepting referrals of veterans and nonveterans. This listing does not require hiring any particular job applicant or hiring from any particular group of job applicants and is not intended to relieve the Subcontractor from any requirements of Executive Orders or regulations concerning nondiscrimination in employment.
4. Whenever the Subcontractor becomes contractually bound to the listing terms of this clause, it shall advise the State employment service system, in each State where it has establishments, of the name and location of each hiring location in the State. As long as the Subcontractor is contractually bound to these terms and has so advised the State system, it need not advise the State system of subsequent contracts/subcontracts. The Subcontractor may advise the State system when it is no longer bound by this subcontract clause.

D. Applicability.

1. This clause does not apply to the listing of employment openings which occur and are filled outside the 50 states, the District of Columbia, the Commonwealth of Puerto Rico, Guam, and the Virgin Islands.

E. Postings.

1. The Subcontractor agrees to post employment notices stating
   (i) The Subcontractor's obligation under the law to take affirmative action to employ and advance in employment qualified disabled veterans and veterans of the Vietnam era, and
   (ii) The rights of applicants and employees.
2. These notices shall be posted in conspicuous places that are available to employees and applicants for employment. They shall be in a form prescribed by the Deputy Assistant Secretary for Federal Contract Compliance Programs, Department of Labor (Deputy Assistant Secretary), and provided by or through the NREL Subcontract Administrator.
3. The Subcontractor shall notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding, that the Subcontractor is bound by the terms of the Act, and is committed to take affirmative action to employ, and advance in employment, qualified disabled veterans and veterans of the Vietnam era.

F. Noncompliance.

If the Subcontractor does not comply with the requirements of this clause, appropriate actions may be taken under the rules, regulations, and relevant orders of the Secretary issued pursuant to the Act.

G. Lower-tier subcontracts.

The Subcontractor shall include the terms of this clause in every lower-tier subcontract or purchase order of $10,000 or more unless exempted by rules, regulations, or orders of the Secretary. The

Subcontractor shall act as specified by the Director to enforce the terms, including action for noncompliance.

Clause 19. AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES (JUN 1998)
Derived from FAR 52.222-36 (FD)
(Applies to all subcontracts exceeding $10,000.)

A. General.
   1. Regarding any position for which the employee or applicant for employment is qualified, the Subcontractor shall not discriminate against any employee or applicant because of physical or mental disability. The Subcontractor agrees to take affirmative action to employ, advance in employment, and otherwise treat qualified individuals with disabilities without discrimination based upon their physical or mental disability in all employment practices such as--
      (i) Recruitment, advertising, and job application procedures;
      (ii) Hiring, upgrading, promotion, award of tenure, demotion, transfer, layoff, termination, right of return from layoff, and rehiring;
      (iii) Rates of pay or any other form of compensation and changes in compensation;
      (iv) Job assignments, job classifications, organizational structures, position descriptions, lines of progression, and seniority lists;
      (v) Leaves of absence, sick leave, or any other leave;
      (vi) Fringe benefits available by virtue of employment, whether or not administered by the Subcontractor;
      (vii) Selection and financial support for training, including apprenticeships, professional meetings, conferences, and other related activities, and selection for leaves of absence to pursue training;
      (viii) Activities sponsored by the Subcontractor, including social or recreational programs; and
      (ix) Any other term, condition, or privilege of employment.
   2. The Subcontractor agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor (Secretary) issued under the Rehabilitation Act of 1973 (29 U.S.C.793) (the Act), as amended.

B. Postings.
   1. The Subcontractor agrees to post employment notices stating--
      (i) The Subcontractor's obligation under the law to take affirmative action to employ and advance in employment qualified individuals with disabilities; and
      (ii) The rights of applicants and employees.
   2. These notices shall be posted in conspicuous places that are available to employees and applicants for employment. The Subcontractor shall ensure that applicants and employees with disabilities are informed of the contents of the notice (e.g., the Subcontractor may have the notice read to a visually disabled individual, or may lower the posted notice so that it might be read by a person in a wheelchair). The notices shall be in a form prescribed by the Deputy Assistant Secretary for Federal Contract Compliance of the U.S. Department of Labor (Deputy Assistant Secretary) and shall be provided by or through the DOE Contracting Officer.
   3. The Subcontractor shall notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding, that the Subcontractor is bound by the terms of Section 503 of the Act and is committed to take affirmative action to employ, and advance in employment, qualified individuals with physical or mental disabilities.

C. Noncompliance.
   If the Subcontractor does not comply with the requirements of this clause, appropriate actions may be taken under the rules, regulations, and relevant orders of the Secretary issued pursuant to the Act.

D. Lower-tier Subcontracts.

The Subcontractor shall include the terms of this clause in every subcontract or purchase order in excess of $10,000 unless exempted by rules, regulations, or orders of the Secretary. The Subcontractor shall act as specified by the Deputy Assistant Secretary to enforce the terms, including action for noncompliance.

Clause 20. EMPLOYMENT REPORTS ON DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA (JAN 1999)
Derived from FAR 52.222-37 (FD)
(Applies to all subcontracts exceeding $10,000.)

A. Unless the Subcontractor is a State or Local Government agency, the Subcontractor shall report at least annually, as required by the Secretary of Labor, on;
   1. The number of disabled veterans and the number of veterans of the Vietnam era in the workforce of the Subcontractor by job category and hiring location; and
   2. The total number of new employees hired during the period covered by the report, and of that total, the number of disabled veterans, and the number of veterans of the Vietnam era.

B. The above items shall be reported by completing the form entitled "Federal Contractor Veterans' Employment Report VETS-100."

C. Reports shall be submitted no later than September 30 of each year beginning September 30, 1988.

D. The employment activity report required by paragraph (A)(2) of this clause shall reflect total hires during the most recent twelve (12)-month period as of the ending date selected for the employment profile report required by paragraph (A)(1) of this clause. Subcontractors may select an ending date:
   1. As of the end of any pay period during the period January through March 1st of the year the report is due, or
   2. As of December 31, if the Subcontractor has previous written approval from the Equal Employment Opportunity Commission to do so for purposes of submitting the Employer Information Report EEO-1 (Standard Form 100).

E. The count of veterans reported according to paragraph (A) of this clause shall be based on voluntary disclosure. Each Subcontractor subject to the reporting requirements at 38 U.S.C. 4212 shall invite all disabled veterans and veterans of the Vietnam era who wish to benefit under the affirmative action program at 38 U.S.C. 4212 to identify themselves to the Subcontractor. The invitation shall state that the information is voluntarily provided; that the information will be kept confidential; that disclosure or refusal to provide the information will not subject the applicant or employee to any adverse treatment; and that the information will be used only in accordance with the regulations promulgated under 38 U.S.C. 4212.

F. Lower-tier Subcontracts.
   The Subcontractor shall include the terms of this clause in every lower-tier subcontract or purchase order of $10,000 or more unless exempted by rules, regulations, or orders of the Secretary.

Clause 21. BUY AMERICAN ACT – CONSTRUCTION MATERIALS UNDER TRADE AGREEMENTS (June 2003)
Derived from FAR 52.225-11
(Applies to Construction Valued at $7,407,00 or more.)

A. Definitions. As used in this clause--
   "Component" means an article, material, or supply incorporated directly into a construction material.
   "Construction material" means an article, material, or supply brought to the construction site by the Subcontractor or lower-tier subcontractor for incorporation into the building or work. The term also

includes an item brought to the site pre-assembled from articles, materials, or supplies. However, emergency life safety systems, such as emergency lighting, fire alarm, and audio evacuation systems, that are discrete systems incorporated into a public building or work and that are produced as complete systems, are evaluated as a single and distinct construction material regardless of when or how the individual parts or components of those systems are delivered to the construction site. Materials purchased directly by NREL are supplies, not construction material.

"Cost of components" means—

1. For components purchased by the Subcontractor, the acquisition cost, including transportation costs to the place of incorporation into the construction material (whether or not such costs are paid to a domestic firm), and any applicable duty (whether or not a duty-free entry certificate is issued); or
2. For components manufactured by the Subcontractor, all costs associated with the manufacture of the component, including transportation costs as described in paragraph (1) of this definition, plus allocable overhead costs, but excluding profit. Cost of components does not include any costs associated with the manufacture of the end product.

"Designated country" means any of the following countries: Aruba, Austria, Bangladesh, Belgium, Benin, Bhutan, Botswana, Burkina Faso, Burundi, Canada, Cape Verde, Central African Republic, Chad, Comoros, Denmark. Djibouti, Equatorial Guinea, Finland, France, Gambia, Germany, Greece, Guinea, Guinea-Bissau, Haiti, Hong Kong, Iceland Ireland, Israel, Italy, Japan, Kiribati, Korea-Republic of, Lesotho, Liechtenstein, Luxembourg, Malawi, Maldives, Mali, Mozambique, Nepal, Netherlands, Niger, Norway, Portugal, Rwanda, Sao Tome and Principe, Sierra Leone, Singapore, Somalia, Spain, Sweden, Switzerland, Tanzania U.R., Togo, Tuvalu, Uganda, United Kingdom, Vanuatu, Western Samoa, Yemen.

"Designated country construction material" means a construction material that—

1. Is wholly the growth, product, or manufacture of a designated country; or
2. In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a designated country into a new and different construction material distinct from the materials from which it was transformed.

"Domestic construction material" means—

1. An unmanufactured construction material mined or produced in the United States; or
2. A construction material manufactured in the United States, if the cost of its components mined, produced, or manufactured in the United States exceeds 50 percent of the cost of all its components. Components of foreign origin of the same class or kind for which non-availability determinations have been made are treated as domestic.

"Free Trade Agreement country" means Canada, Chile, Mexico, or Singapore.

"Free Trade Agreement country construction material means" a construction material that—

1. Is wholly the growth, product, or manufacture of a Free Trade Agreement (FTA) country; or
2. In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a FTA country into a new and different construction material distinct from the materials from which it was transformed.

"Foreign construction material" means a construction material other than a domestic construction material.

"United States" means the 50 States, the District of Columbia, and outlying areas.

B. Construction Materials.

1. This Article implements the Buy American Act (41 U.S.C. 10a-10d) by providing a preference for domestic construction material. In addition, the NREL Subcontract Administrator has determined that the Trade Agreements Act and Free Trade Agreements (FTAs) apply to this acquisition.

   Therefore, the Buy American Act restrictions are waived for designated country and FTA country construction materials.
2. The Subcontractor shall use only domestic, designated country, or FTA country construction

material in performing this subcontract, except as provided in paragraphs B (3) and B (4) of this clause.

3. The requirement in paragraph (b)(2) of this clause does not apply to the construction materials or components listed by NREL as follows: none.

4. The NREL Subcontract Administrator may add other foreign construction material to the list in paragraph B (3) of this clause if NREL determines that—

   (i) The cost of domestic construction material would be unreasonable. The cost of a particular domestic construction material subject to the restrictions of the Buy American Act is unreasonable when the cost of such material exceeds the cost of foreign material by more than 6 percent;

   (ii) The application of the restriction of the Buy American Act to a particular construction material would be impracticable or inconsistent with the public interest; or

   (iii) The construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality.

C. Request for determination of inapplicability of the Buy American Act.

1.

   (i) Any Subcontractor request to use foreign construction material in accordance with paragraph B(4) of this Article shall include adequate information for Government evaluation of the request, including—

      (a) A description of the foreign and domestic construction materials;
      (b) Unit of measure;
      (c) Quantity;
      (d) Price;
      (e) Time of delivery or availability;
      (f) Location of the construction project;
      (g) Name and address of the proposed supplier; and
      (h) A detailed justification of the reason for use of foreign construction materials cited in accordance with paragraph B(3) of this Article.

   (ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed price comparison table in the format in paragraph D of this Article.

   (iii) The price of construction material shall include all delivery costs to the construction site and any applicable duty (whether or not a duty-free certificate may be issued).

   (iv) Any Subcontractor request for a determination submitted after subcontract award shall explain why the Subcontractor could not reasonably foresee the need for such determination and could not have requested the determination before subcontract award. If the Subcontractor does not submit a satisfactory explanation, the NREL Subcontract Administrator need not make a determination.

2. If NREL determines after subcontract award that an exception to the Buy American Act applies and the NREL Subcontract Administrator and the Subcontractor negotiate adequate consideration, the NREL Subcontract Administrator will modify the subcontract to allow use of the foreign construction material. However, when the basis for the exception is the unreasonable price of a domestic construction material, adequate consideration is not less than the differential established in paragraph B(4)(i) of this clause.

3. Unless NREL determines that an exception to the Buy American Act applies, use of foreign construction material is noncompliant with the Buy American Act.

D. Data. To permit evaluation of requests under paragraph C of this Article based on unreasonable cost, the Subcontractor shall include the following information and any applicable supporting data based on the survey of suppliers:

Foreign and Domestic Construction Materials Price Comparison

Construction material description	Unit of measure	Quantity	Price (dollars) *
Item 1			
Foreign construction material			
Domestic construction material			
Item 2			
Foreign construction material			
Domestic construction material			

[List name, address, telephone number, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.]
[Include other applicable supporting information.]
[*Include all delivery costs to the construction site and any applicable duty (whether or not a duty-free entry certificate is issued).]

E. United States law will apply to resolve any claim of breach of this Subcontract.

Clause 22. DRUG-FREE WORKPLACE (MAY 2001)
Derived from FAR 52-223-6 (FD)
(Applies to all subcontracts where work is to be performed on NREL operated facilities, including Government-owned or –leased property.)

A. Definitions. As used in this clause --
"Controlled substance" means a controlled substance in schedules I through V of section 202 of the Controlled Substances Act (21 U.S.C. 812) and as further defined in regulation at 21 CFR 1308.11 -- 1308.15.
"Conviction" means a finding of guilt (including a plea of nolo contendere) or imposition of sentence, or both, by any judicial body charged with the responsibility to determine violations of the Federal or State criminal drug statutes.
"Criminal drug statute" means a Federal or non-Federal criminal statute involving the manufacture, distribution, dispensing, possession, or use of any controlled substance.
"Drug-free workplace" means the NREL-operated site(s) for the performance of work done by the Subcontractor in connection with a specific subcontract where employees of the Subcontractor are prohibited from engaging in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance.
"Employee" means an employee of a Subcontractor directly engaged in the performance of work under a NREL subcontract. "Directly engaged" is defined to include all direct cost employees and any other Subcontractor employee who has other than a minimal impact or involvement in subcontract performance.
"Individual" means a Subcontractor that has no more than one employee including the Subcontractor.

B. The Subcontractor, if other than an individual, shall -- within 30 days after award (unless a longer period is agreed to in writing for subcontracts of 30 days or more performance duration), or as soon as possible for subcontracts of less than 30 days performance duration –
1. Publish a statement notifying its employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the Subcontractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition;
2. Establish an ongoing drug-free awareness program to inform such employees about --

(i) The dangers of drug abuse in the workplace;
(ii) The Subcontractor's policy of maintaining a drug-free workplace;
(iii) Any available drug counseling, rehabilitation, and employee assistance programs; and
(iv) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;

3. Provide all employees engaged in performance of the Subcontract with a copy of the statement required by subparagraph B (1) of this clause;
4. Notify such employees in writing in the statement required by subparagraph B (1) of this clause that, as a condition of continued employment on this Subcontract, the employee will --
(i) Abide by the terms of the statement; and
(ii) Notify the employer in writing of the employee's conviction under a criminal drug statute for a violation occurring in the workplace no later than 5 days after such conviction;
5. Notify the NREL Subcontract Administrator in writing within 10 days after receiving notice under subdivision B(4)(ii) of this clause, from an employee or otherwise receiving actual notice of such conviction. The notice shall include the position title of the employee;
6. Within 30 days after receiving notice under subdivision B (4)(ii) of this clause of a conviction, take one of the following actions with respect to any employee who is convicted of a drug abuse violation occurring in the workplace:
(i) Taking appropriate personnel action against such employee, up to and including termination; or
(ii) Require such employee to satisfactorily participate in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency; and
7. Make a good faith effort to maintain a drug-free workplace through implementation of subparagraphs B (1) though B (6) of this clause.

C. The Subcontractor, if an individual, agrees by award of the subcontract or acceptance of a purchase order, not to engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance while performing this subcontract.

D. In addition to other remedies available to the NREL and the Government, the Subcontractor's failure to comply with the requirements of paragraph B or C of this clause may, pursuant to FAR 23.506, render the Subcontractor subject to suspension of subcontract payments, termination of the subcontract or default, and suspension or debarment."

Clause 23. DUTY-FREE ENTRY (FEB 2000)
Derived from FAR 52.225-8 (FD)
(Applies to subcontracts exceeding $100,000 where supplies are imported into the United States and duty-free entry may be obtained or subcontract value is less than $100,000 and savings from waiving the duty is anticipated to be more than the administrative cost of waiving the duty.)

A. Definition. "Customs territory of the United States" means the States, the District of Columbia, and Puerto Rico.

B. Except as otherwise approved by the NREL Subcontract Administrator, the Subcontractor shall not include in the subcontract price any amount for duties on supplies specifically identified in the Schedule to be accorded duty-free entry.

C. Except as provided in paragraph (D) of this clause or elsewhere in this subcontract, the following procedures apply to supplies not identified in the Schedule to be accorded duty-free entry:
1. The Subcontractor shall notify the NREL Subcontract Administrator in writing of any purchase of foreign supplies (including, without limitation, raw materials, components, and intermediate assemblies) in excess of $10,000 that are to be imported into the customs territory of the United States for delivery to NREL under this subcontract, either as end products or for incorporation

into end products. The Subcontractor shall furnish the notice to the NREL Subcontract Administrator at least 20 calendar days before the importation. The notice shall identify the--

(i) Foreign supplies;
(ii) Estimated amount of duty; and
(iii) Country of origin.

2. The NREL Subcontract Administrator will determine whether any of these supplies should be accorded duty-free entry and will notify the Subcontractor within 10 calendar days after receipt of the Subcontractor's notification.
3. Except as otherwise approved by the NREL Subcontract Administrator, the subcontract price shall be reduced by (or the allowable cost shall not include) the amount of duty that would be payable if the supplies were not entered duty-free.

D. The Subcontractor is not required to provide the notification under paragraph (C) of this clause for purchases of foreign supplies if--
1. The supplies are identical in nature to items purchased by the Subcontractor or any lower-tier subcontractor in connection with its commercial business; and
2. Segregation of these supplies to ensure use only on NREL/Government subcontracts containing duty-free entry provisions is not economical or feasible.

E. The Subcontractor shall claim duty-free entry only for supplies to be delivered to NREL under this subcontract, either as end products or incorporated into end products, and shall pay duty on supplies, or any portion of them, other than scrap, salvage, or competitive sale authorized by the NREL Subcontract Administrator, diverted to nongovernmental use.

F. NREL will execute any required duty-free entry certificates for supplies to be accorded duty-free entry and will assist the Subcontractor in obtaining duty-free entry for these supplies.

G. Shipping documents for supplies to be accorded duty-free entry shall consign the shipments to NREL/DOE in care of the Subcontractor and shall include the--
1. Delivery address of the Subcontractor (or NREL/DOE, if appropriate);
2. NREL's DOE prime contract number and the NREL subcontract number;
3. Identification of carrier;
4. Notation "UNITED STATES GOVERNMENT, _____ [agency], _____ Duty-free entry to be claimed pursuant to Item No(s) _____ [from Tariff Schedules] _____, Harmonized Tariff Schedules of the United States. Upon arrival of shipment at port of entry, District Director of Customs, please release shipment under 19 CFR part 142 and notify [cognizant subcontract administration office] for execution of Customs Forms 7501 and 7501-A and any required duty-free entry certificates.";
5. Gross weight in pounds (if freight is based on space tonnage, state cubic feet in addition to gross shipping weight); and
6. Estimated value in United States dollars.

H. The Subcontractor shall instruct the foreign supplier to--
1. Consign the shipment as specified in paragraph (G) of this clause;
2. Mark all packages with the words "UNITED STATES GOVERNMENT" and NREL/DOE; and
3. Include with the shipment at least two copies of the bill of lading (or other shipping document) for use by the District Director of Customs at the port of entry.

I. The Subcontractor shall provide written notice to the NREL Subcontract Administrator immediately after notification that duty-free entry will be accorded foreign supplies or, for duty-free supplies identified in the Schedule, upon award by the Subcontractor to the overseas supplier. The notice shall identify the--
1. Foreign supplies;
2. Country of origin;
3. Subcontract number; and
4. Scheduled delivery date(s).

J. The Subcontractor shall include the substance of this clause in any lower-tier subcontract if--

1. Supplies identified in the Schedule to be accorded duty-free entry will be imported into the customs territory of the United States; or
2. Other foreign supplies in excess of $10,000 may be imported into the customs territory of the United States.

Clause 24. RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (JULY 2000)
Derived from FAR 52.225-13(FD)
(Applies to all subcontracts exceeding $2,500.)

A. The Subcontractor shall not acquire, for use in the performance of this subcontract, any supplies or services originating from sources within, or that were located in or transported from or through, countries whose products are banned from importation into the United States under regulations of the Office of Foreign Assets Control, Department of the Treasury. Those countries are Cuba, Iran, Iraq, Libya, North Korea, Sudan, the territory of Afghanistan controlled by the Taliban, and Serbia (excluding the territory of Kosovo).
B. The Subcontractor shall not acquire for use in the performance of this subcontract any supplies or services from entities controlled by the government of Iraq.
C. The Subcontractor shall insert this clause, including this paragraph (C), in all lower-tier subcontracts.

Clause 25. INSURANCE--WORK ON A GOVERNMENT INSTALLATION (NOV 2007)
Derived from FAR 52.228-5
(Applies to design-build subcontracts.)

A. The Subcontractor shall, at its own expense, provide and maintain during the entire performance period of this subcontract at least the kinds and minimum amounts of insurance required in this clause.
    1. Architect/Engineer Professional Liability and Errors and Omissions Insurance shall be provided and maintained during the entire performance period of the subcontract and for 5 years after the completion of the work. The Subcontractor shall flow down this insurance requirement to its design-build team members and lower-tier subcontractors providing Architect/Engineer professional services. Such flow down to design-build team members and lower tiers shall not be construed to relieve the Subcontractor from its obligations under this clause.
    2. The Subcontractor shall, within ten (10) calendar days of the notice to proceed under this subcontract, obtain and maintain "All Risk" Builder's Risk Insurance in the names of the U.S. Department of Energy and the NREL Division of Midwest Research Institute upon the entire structure or structures on which the work of the subcontract is to be done and all material in or adjacent thereto that is intended for use thereon to one hundred percent (100%) of the insurable value thereof. Such insurance may include a deductible provision in which case the Subcontractor will be liable for such deductions, whenever a claim arises. The loss, if any, is to be made adjustable with any payable to the U.S. Department of Energy and the NREL Division of Midwest Research Institute in accordance with their interests.
    3. The U.S. Department of Energy and the NREL Division of Midwest Research Institute, their officers, employees, and agents shall be listed as additional insured in all policies of insurance issued to the Subcontractor in furtherance of performance of work under this subcontract when such listing is appropriate to the type of policy issued.

Insurance Type	Bodily Injury		Property Damage
	Each Person	Each Occurrence	
Workers' Compensation	As required by law	As required by law	N/A

Insurance Type	Disease-Employee	Disease-Limit	Accident - Limit
Employer's Liability	$1,000,000.00	$1,000,000.00	$1,000,000.00

Insurance Type	Bodily Injury		Property Damage
	Each Person	Each Occurrence	
Commercial General Liability	$2,000,000.00	$5,000,000.00	$5,000,000.00
Automobile Liability	$500,000.00	$1,000,000.00	$1,000,000.00

Insurance Type	Per Claim	Aggregate Claims
Architect/Engineer Professional Liability and Errors and Omissions	$3,000,000.00	$3,000,000.00
"All Risk" Builder's Risk	100% Structure & material value (Subcontractor responsible for any deductible amount)	100% Structure & material value (Subcontractor responsible for any deductible amount)

B. Unless otherwise stated in this clause, before commencing work under this subcontract, the Subcontractor shall provide evidence to the NREL Subcontract Administrator in writing that the required insurance has been obtained. The policies evidencing required insurance shall contain an endorsement to the effect that any cancellation or any material change adversely affecting NREL Division of Midwest Research Institute and the Government's interest shall not be effective--
   1. For such period as the laws of the State in which this subcontract is to be performed prescribe; or
   2. Until thirty (30) days after the insurer or the Subcontractor gives written notice to the NREL Subcontract Administrator, whichever period is longer.

C. The Subcontractor shall insert the substance of this clause, including this paragraph (C), in design-build teaming agreements and lower-tier subcontracts under this subcontract that require work on a Government installation and shall require design-build team members and lower-tier subcontractors to provide and maintain the insurance required under this subcontract(or elsewhere) in the design-build teaming agreement and lower-tier subcontract. The Subcontractor shall maintain a copy of all the design-build team member and lower-tier subcontractor's proofs of required insurance, and shall make copies available to the NREL Subcontract Administrator upon request.

Clause 26. FEDERAL, STATE, AND LOCAL TAXES (COMPETITIVE SUBCONTRACTS) (JAN 1991)
Derived from FAR 52.229-3
(Applies to competitive fixed price subcontracts exceeding $100,000.)

A. "Subcontract date," as used in this clause, means the date set for bid opening or, if this is a negotiated subcontract or a modification, the effective date of this subcontract or modification. "All applicable Federal, State, and Local taxes and duties," as used in this clause, means all taxes

and duties, in effect on the subcontract date, that the taxing authority is imposing and collecting on the transactions or property covered by this subcontract.

"After-imposed Federal tax," as used in this clause, means any new or increased Federal excise tax or duty, or tax that was exempted or excluded on the subcontract date but whose exemption was later revoked or reduced during the subcontract period, on the transactions or property covered by this subcontract that the Subcontractor is required to pay or bear as the result of legislative, judicial, or administrative action taking effect after the subcontract date. It does not include social security tax or other employment taxes.

"After-relieved Federal tax," as used in this clause, means any amount of Federal excise tax or duty, except social security or other employment taxes, that would otherwise have been payable on the transactions or property covered by this subcontract, but which the Subcontractor is not required to pay or bear, or for which the Subcontractor obtains a refund or drawback, as the result of legislative, judicial, or administrative action taking effect after the subcontract date.

B. The subcontract price includes all applicable Federal, State, and Local taxes and duties.

C. The subcontract price shall be increased by the amount of any after-imposed Federal tax, provided the Subcontractor warrants in writing that no amount for such newly imposed Federal excise tax or duty or rate increase was included in the subcontract price, as a contingency reserve or otherwise.

D. The subcontract price shall be decreased by the amount of any after-relieved Federal tax.

E. The subcontract price shall be decreased by the amount of any Federal excise tax or duty, except social security or other employment taxes, that the Subcontractor is required to pay or bear, or does not obtain a refund of, through the Subcontractor's fault, negligence, or failure to follow instructions of the NREL Subcontract Administrator.

F. No adjustment shall be made in the subcontract price under this clause unless the amount of the adjustment exceeds $250.

G. The Subcontractor shall promptly notify the NREL Subcontract Administrator of all matters relating to any Federal excise tax or duty that reasonably may be expected to result in either an increase or decrease in the subcontract price and shall take appropriate action as the NREL Subcontract Administrator directs.

H. The Government through NREL shall, without liability, furnish evidence appropriate to establish exemption from any Federal, State, or Local tax when the Subcontractor requests such evidence and a reasonable basis exists to sustain the exemption.

Clause 27. PROHIBITION OF ASSIGNMENT OR TRANSFER (MAY 2002)
Derived from 52.232-24
(Applies to all subcontracts.)

A. Except as expressly authorized in writing by the NREL Subcontract Administrator, this subcontract or any interest therein or claim under this subcontract shall not be assigned or transferred by the Subcontractor.

B. In the event of any authorization of assignment or transfer, the parties shall file written notice together with a true copy of the instrument of the assignment or transfer with the NREL Subcontract Administrator. Such assignment or transfer shall cover all amounts payable under the subcontract not already paid, shall not be made to more than one party, and shall not be subject to further assignment or transfers.

C. When directed by DOE, the NREL Division of Midwest Research Institute may assign or transfer all its rights and obligations under this subcontract to DOE or its designee.

Clause 28. BANKRUPTCY (JUL 1995)
Derived from FAR 52.242-13

(Applies to all subcontracts.)

In the event the Subcontractor enters into proceedings relating to bankruptcy, whether voluntary or involuntary, the Subcontractor agrees to furnish, by certified mail or electronic commerce method authorized by the contract, written notification of the bankruptcy to the NREL Subcontract Administrator responsible for administering the subcontract. This notification shall be furnished within five (5) days of the initiation of the proceedings relating to bankruptcy filing. This notification shall include the date on which the bankruptcy petition was filed, the identity of the court in which the bankruptcy petition was filed, and a listing of other NREL subcontract numbers and Government contract numbers and contracting offices for all Government contracts against which final payment has not been made. This obligation remains in effect until final payment under this subcontract.

Clause 29. SUSPENSION OF WORK (APR 1984)
Derived from FAR 52.242-14
(Applies to construction and architect-engineer subcontracts.)

A. The NREL Subcontract Administrator may order the Subcontractor, in writing, to suspend, delay, or interrupt all or any part of the work of this subcontract for the period of time that the NREL Subcontract Administrator determines appropriate for the convenience of NREL/Government.
B. If the performance of all or any part of the work is, for any unreasonable period of time, suspended, delayed, or interrupted--
    1. By an act of the NREL Subcontract Administrator in the administration of this subcontract, or
    2. By the NREL Subcontract Administrator's failure to act within the time specified in this subcontract (or within a reasonable time if not specified), an adjustment shall be made for any increase in the cost of performance of this subcontract (excluding profit) necessarily caused by the unreasonable suspension, delay, or interruption, and the subcontract modified in writing accordingly. However, no adjustment shall be made under this clause for any suspension, delay, or interruption to the extent that performance would have been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the Subcontractor, or for which an equitable adjustment is provided for or excluded under any other term or condition of this subcontract.
C. A claim under this clause shall not be allowed--
    1. For any costs incurred more than twenty (20) days before the Subcontractor shall have notified the NREL Subcontract Administrator in writing of the act or failure to act involved (but this requirement shall not apply as to a claim resulting from a suspension order), and
    2. Unless the claim, in an amount stated, is asserted in writing as soon as practicable after the termination of the suspension, delay, or interruption, but not later than the date of final payment under the subcontract.

Clause 30. STOP WORK ORDER (AUG 1989)
Derived from FAR 52.242-15
(Applies to all subcontracts.)

A. The NREL Subcontract Administrator may, at any time, by written order to the Subcontractor, require the Subcontractor to stop all, or any part, of the work called for by this subcontract for a period of ninety (90) days after the order is delivered to the Subcontractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Subcontractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work

covered by the order during the period of work stoppage. Within a period of ninety (90) days after a stop-work is delivered to the Subcontractor, or within any extension of that period to which the parties shall have agreed, the NREL Subcontract Administrator shall either--

1. Cancel the stop-work order; or
2. Terminate the work covered by the order as provided in the Default or the Termination clause of this subcontract.

B. If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Subcontractor shall resume work. The NREL Subcontract Administrator shall make an equitable adjustment and the subcontract shall be modified, in writing, accordingly, if--

1. The stop-work order results in an increase in the time required for, or in the Subcontractor's cost properly allocable to, the performance of any part of this subcontract; and
2. The Subcontractor asserts its right to the adjustment within thirty (30) days after the end of the period of work stoppage; provided, that, if the NREL Subcontract Administrator decides the facts justify the action, the NREL Subcontract Administrator may receive and act upon the claim submitted at any time before final payment under this subcontract.

C. If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of NREL/Government, the NREL Subcontract Administrator shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.

D. If a stop-work order is not canceled and the work covered by the order is terminated for default, the NREL Subcontract Administrator shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

Clause 31. LOWER-TIER SUBCONTRACTS (AUG 1998)
Derived from FAR 52.244-2
(Applies to all cost type subcontracts. Applies to letter, fixed price, time and material, and labor hour subcontracts exceeding $100,000.)

A. Definitions.
As used in this clause-
"Approved purchasing system" means a Subcontractor's purchasing system that has been reviewed and approved in accordance with Part 44 of the Federal Acquisition Regulation (FAR)
"Consent to lower-tier subcontract" means the NREL Subcontract Administrator's written consent for the Subcontractor to enter into a particular lower-tier subcontract.
"Lower-tier subcontract" means any contract, as defined in FAR Subpart 2.1, entered into by a lower-tier subcontractor to furnish supplies or services for performance of the prime contract or a lower-tier subcontract. It includes, but is not limited to, purchase orders, and changes and modifications to purchase orders.

B. This clause does not apply to lower-tier subcontracts for special test equipment when the subcontract contains the clause at FAR 52.245-18, Special Test Equipment.

C. When this clause is included in a fixed-price type subcontract, consent to lower-tier subcontracts is required only on unpriced subcontract actions (including unpriced modifications or unpriced delivery orders), and only if required in accordance with paragraph (D) or (E) or this clause.

D. If the Subcontractor does not have an approved purchasing system, consent to lower-tier subcontract is required for any lower-tier subcontract that--

1. Is of the cost-reimbursement, time-and-materials, or labor-hour type; or
2. Is fixed-price and exceeds-
   (i) For a subcontract awarded by the Department of Defense, the Coast Guard, or the National Aeronautics and Space Administration, the greater of the simplified acquisition threshold ($100,000) or five (5) percent of the total estimated cost of the subcontract; or
   (ii) For subcontracts awarded by a civilian agency other that the Coast Guard and the

National Aeronautics and Space Administration, either the simplified acquisition threshold ($100,000) or five (5) percent of the total estimated cost of the subcontract.

E. If the Subcontractor has an approved purchasing system, the Subcontractor nevertheless shall obtain the NREL Subcontract Administrator's written consent before placing any of the lower-tier subcontracts identified in the subcontract schedule.

F.

1. The Subcontractor shall notify the NREL Subcontract Administrator reasonably in advance of placing any lower-tier subcontract or modification thereof for which consent is required under paragraph (C), (D), or (E) of this clause, including the following information:
   (i) A description of the supplies or services to be lower-tier subcontracted.
   (ii) Identification of the type of lower-tier subcontract to be used.
   (iii) Identification of the proposed lower-tier subcontractor.
   (iv) The proposed lower-tier subcontract price.
   (v) The lower-tier subcontractor's current, complete, and accurate cost or pricing data and Certificate of Current Cost or Pricing Data, if required by other subcontract provisions.
   (vi) The lower-tier subcontractor's Disclosure Statement or Certificate relating to Cost Accounting Standards when such data are required by other provisions of this subcontract.
   (vii) A negotiation memorandum reflecting--
      (a) The principal elements of the lower-tier subcontract price negotiations;
      (b) The most significant considerations controlling establishment of initial or revised prices;
      (c) The reason cost or pricing data were or were not required;
      (d) The extent, if any, to which the Subcontractor did not rely on the lower-tier subcontractor's cost or pricing data in determining the price objective and in negotiating the final price;
      (e) The extent to which it was recognized in the negotiation that the lower-tier subcontractor's cost or pricing data were not accurate, complete, or current; the action taken by the Subcontractor and the lower-tier subcontractor; and the effect of any such defective data on the total price negotiated;
      (f) The reasons for any significant difference between the Subcontractor's price objective and the price negotiated; and
      (g) A complete explanation of the incentive fee or profit plan when incentives are used. The explanation shall identify each critical performance element, management decisions used to quantify each incentive element, reasons for the incentives, and a summary of all trade-off possibilities considered.
2. The Subcontractor is not required to notify the NREL Subcontract Administrator in advance of entering into any lower-tier subcontract for which consent is not required under paragraph (C), (D), or (E) or this clause.

G. Unless the consent or approval specifically provides otherwise, neither consent by the NREL Subcontract Administrator to any subcontract nor approval of the Subcontractor's purchasing system shall constitute a determination--
   1. Of the acceptability of any subcontract terms or conditions;
   2. Of the allowability of any cost under this subcontract; or
   3. To relieve the Subcontractor of any responsibility for performing this subcontract.

H. No lower-tier subcontract or modification thereof placed under this subcontract shall provide for payment on a cost-plus-a-percentage-of-cost basis, and any fee payable under cost-reimbursement type lower-tier subcontracts shall not exceed the fee limitations in FAR 15.404-4(c)(4)(i).

I. The Subcontractor shall give the NREL Subcontract Administrator immediate written notice of any action or suit filed and prompt notice of any claim made against the Subcontractor by any lower-tier subcontractor or vendor that, in the opinion of the Subcontractor, may result in litigation related in

any way to this subcontract, with respect to which the Subcontractor may be entitled to reimbursement from NREL/Government.

J. NREL/Government reserves the right to review the Subcontractor's purchasing system as set forth in FAR Subpart 44.3.

K. Paragraphs (D) and (F) of this clause do not apply to any of the lower-tier subcontracts identified in the subcontract schedule that were evaluated during negotiations:

Clause 32. GOVERNMENT PROPERTY - (FIXED PRICE SUBCONTRACTS) (DEC 1989)
Derived from FAR 52.245-2
(Applies to all fixed price subcontracts where NREL/Government property is provided.)

A. Government-furnished property.
   1. NREL shall deliver to the Subcontractor, for use in connection with and under the terms of this subcontract, the Government-furnished property described in the Schedule or specifications together with any related data and information that the Subcontractor may request and is reasonably required for the intended use of the property (hereinafter referred to as "Government-furnished property").
   2. The delivery or performance dates for this subcontract are based upon the expectation that Government-furnished property suitable for use (except for property furnished "as-is") will be delivered to the Subcontractor at the times stated in the Schedule or, if not so stated, in sufficient time to enable the Subcontractor to meet the subcontract's delivery or performance dates.
   3. If Government-furnished property is received by the Subcontractor in a condition not suitable for the intended use, the Subcontractor shall, upon receipt of it, notify the NREL Subcontract Administrator, detailing the facts, and, as directed by the NREL Subcontract Administrator and at NREL expense, either repair, modify, return, or otherwise dispose of the property. After completing the directed action and upon written request of the Subcontractor, the NREL Subcontract Administrator shall make an equitable adjustment as provided in paragraph (H) of this clause.
   4. If Government-furnished property is not delivered to the Subcontractor by the required time, the NREL Subcontract Administrator shall, upon the Subcontractor's timely written request, make a determination of the delay, if any, caused the Subcontractor and shall make an equitable adjustment in accordance with paragraph (H) of this clause.

B. Changes in Government-furnished property.
   1. The NREL Subcontract Administrator may, by written notice,
      (i) Decrease the Government-furnished property provided or to be provided under this subcontract, or
      (ii) Substitute other Government-furnished property for the property to be provided, or to be acquired by the Subcontractor, under this subcontract. The Subcontractor shall promptly take such action as the NREL Subcontract Administrator may direct regarding the removal, shipment, or disposal of the property covered by such notice.
   2. Upon the Subcontractor's written request, the NREL Subcontract Administrator shall make an equitable adjustment to the subcontract in accordance with paragraph (H) of this clause, if NREL has agreed in the Schedule to make the property available for performing this subcontract and there is any--
      (i) Decrease or substitution in this property pursuant to subparagraph (B)(1) of this clause; or
      (ii) Withdrawal of authority to use this property, if provided under any other subcontract or lease.

C. Title in Government property.

1. The Government shall retain title to all Government-furnished property.
2. All Government-furnished property and all property acquired by the Subcontractor, title to which vests in the Government under this paragraph (collectively referred to as "Government property"), are subject to the provisions of this clause. However, special tooling accountable to this subcontract is subject to the provisions of the Special Tooling clause and is not subject to the provisions of the this clause. Title to Government property shall not be affected by its incorporation into or attachment to any property not owned by the Government, nor shall Government property become a fixture or lose its identity as personal property by being attached to any real property.
3. Title to each item of facilities and special test equipment acquired by the Subcontractor under this subcontract shall pass to and vest in the Government when its use in performing this subcontract commences or when NREL/Government has paid for it, whichever is earlier, whether or not title previously vested in the Government.
4. If this subcontract contains a provision directing the Subcontractor to purchase material for which NREL will reimburse the Subcontractor as a direct item of cost under this subcontract--
   (i) Title to material purchased from a vendor shall pass to and vest in the Government upon the vendor's delivery of such material; and
   (ii) Title to all other material shall pass to and vest in the Government upon--
      (a) Issuance of the material for use in subcontract performance;
      (b) Commencement of processing of the material or its use in subcontract performance; or
      (c) Reimbursement of the cost of the material by NREL, whichever occurs first.

D. Use of Government property.
1. The Government property shall be used only for performing this subcontract, unless otherwise provided in this subcontract or approved by the NREL Subcontract Administrator.

E. Property administration.
1. The Subcontractor shall be responsible and accountable for all Government property provided under this subcontract and shall comply with Federal Acquisition Regulation (FAR) Subpart 45.5, as in effect on the date of this subcontract.
2. The Subcontractor shall establish and maintain a program for the use, maintenance, repair, protection, and preservation of Government property in accordance with sound industrial practice and the applicable provisions of Subpart 45.5 of the FAR.
3. If damage occurs to Government property, the risk of which has been assumed by the Government, under this subcontract, NREL shall replace the items or the Subcontractor shall make such repairs as NREL directs. However, if the Subcontractor cannot effect such repairs within the time required, the Subcontractor shall dispose of the property as directed by the NREL Subcontract Administrator. When any property for which NREL is responsible is replaced or repaired, the NREL Subcontract Administrator shall make an equitable adjustment in accordance with paragraph (H) of this clause.
4. The Subcontractor represents that the subcontract price does not include any amount for repairs or replacement for which NREL is responsible. Repair or replacement of property for which the Subcontractor is responsible shall be accomplished by the Subcontractor at its own expense.

F. Access.
NREL/Government and all their designees shall have access at all reasonable times to the premises in which any Government property is located for the purpose of inspecting the Government property.

G. Risk of loss.
Unless otherwise provided in this subcontract, the Subcontractor assumes the risk of, and shall be responsible for, any loss or destruction of, or damage to, Government property upon its delivery to the Subcontractor or upon passage of title to the Government under paragraph (C) of this clause. However, the Subcontractor is not responsible for reasonable wear and tear to Government property

or for Government property properly consumed in performing this subcontract.

H. Equitable adjustment.
When this clause specifies an equitable adjustment, it shall be made to any affected subcontract provision in accordance with the procedures of the Changes clause. When appropriate, the NREL Subcontract Administrator may initiate an equitable adjustment in favor of NREL. The right to an equitable adjustment shall be the NREL Subcontract Administrator's exclusive remedy.
NREL/Government shall not be liable to suit for breach of contract for--
1. Any delay in delivery of Government-furnished property;
2. Delivery of Government-furnished property in a condition not suitable for its intended use;
3. A decrease in or substitution of Government-furnished property; or
4. Failure to repair or replace Government property for which NREL is responsible.

I. Final accounting and disposition of Government property.
Upon completing this subcontract, or at such earlier dates as may be fixed by the NREL Subcontract Administrator, the Subcontractor shall submit, in a form acceptable to the NREL Subcontract Administrator, inventory schedules covering all items of Government property (including any resulting scrap) not consumed in performing this subcontract or delivered to NREL. The Subcontractor shall prepare for shipment, deliver f.o.b. origin, or dispose of the Government property as may be directed or authorized by the NREL Subcontract Administrator. The net proceeds of any such disposal shall be credited to the subcontract price or shall be paid to NREL/Government as the NREL Subcontract Administrator directs.

J. Abandonment and restoration of Subcontractor's premises.
Unless otherwise provided herein, NREL/Government--
1. May abandon any Government property in place, at which time all obligations of NREL/Government regarding such abandoned property shall cease; and
2. Has no obligation to restore or rehabilitate the Subcontractor's premises under any circumstances (e.g., abandonment, disposition upon completion of need, or upon subcontract completion). However, if the Government-furnished property (listed in the Schedule or specifications) is withdrawn or is unsuitable for the intended use, or if any Government property is substituted, then the equitable adjustment under paragraph (H) of this clause may properly include restoration or rehabilitation costs.

K. Communications.
All communications under this clause shall be in writing.

L. Overseas contracts.
If this subcontract is to be performed outside of the United States of America, its territories, or possessions, the words "Government" and "Government-furnished" (whenever they appear in this clause) shall be construed as "United States Government" and "United States Government-furnished," respectively.

Clause 33. COMMERCIAL BILL OF LADING NOTATIONS (MAY 2003)
Derived from FAR 52.247-1 (FD)
(Applies to all cost reimbursement subcontracts where transportation is a direct charge to the subcontract.)
(Applies to all fixed price subcontracts where direct and actual transportation cost is a separate item in the invoice (e.g. F.O.B. origin) and not included in the delivered price (e.g. F.O.B. destination).)

If the NREL Subcontract Administrator authorizes supplies to be shipped on a commercial bill of lading and the Subcontractor will be reimbursed these transportation costs as direct allowable costs, the Subcontractor shall ensure before shipment is made that the commercial shipping documents are annotated the following notation:
"Transportation is for the U.S. Department of Energy, acting through its National Renewable Energy

Laboratory (NREL) and the actual total transportation charges paid to the carrier(s) by the consignor or consignee are assignable to, and shall be reimbursed by, the by NREL on behalf of the Government, pursuant to cost-reimbursement contract No. DE AC36-99GO10337. This may be confirmed by contacting The Golden Field Office, 1617 Cole Blvd. Golden, CO 80401."

Clause 34. TERMINATION FOR CONVENIENCE OF NREL/GOVERNMENT (FIXED PRICE) (SEP 1996)
Derived from FAR 52.249-2 (FD)
(Applies to fixed price subcontracts exceeding $100,000, except subcontracts for research and development work with educational or nonprofit institutions and subcontracts for architect-engineer services.)

A. NREL may terminate performance of work under this subcontract in whole or, from time to time, in part if the NREL Subcontract Administrator determines that a termination is in NREL's/Government's interest. The NREL Subcontract Administrator shall terminate by delivering to the Subcontractor a Notice of Termination specifying the extent of termination and the effective date.
B. After receipt of a Notice of Termination, and except as directed by the NREL Subcontract Administrator, the Subcontractor shall immediately proceed with the following obligations, regardless of any delay in determining or adjusting any amounts due under this clause:
   1. Stop work as specified in the notice.
   2. Place no further subcontracts or orders (referred to as lower-tier subcontracts in this clause) for materials, services, or facilities, except as necessary to complete the continued portion of the subcontract.
   3. Terminate all lower-tier subcontracts to the extent they relate to the work terminated.
   4. Assign to NREL, as directed by the NREL Subcontract Administrator, all right, title, and interest of the Subcontractor under the lower-tier subcontracts terminated, in which case NREL shall have the right to settle or to pay any termination settlement proposal arising out of those terminations.
   5. With approval or ratification to the extent required by the NREL Subcontract Administrator, settle all outstanding liabilities and termination settlement proposals arising from the termination of lower-tier subcontracts; the approval or ratification will be final for purposes of this clause.
   6. As directed by the NREL Subcontract Administrator, transfer title to the Government and deliver to NREL--
      (i) The fabricated or unfabricated parts, work in process, completed work, supplies, and other material produced or acquired for the work terminated; and
      (ii) The completed or partially completed plans, drawings, information, and other property that, if the subcontract had been completed, would be required to be furnished to NREL.
   7. Complete performance of the work not terminated.
   8. Take any action that may be necessary, or that the NREL Subcontract Administrator may direct, for the protection and preservation of the property related to this subcontract that is in the possession of the Subcontractor and in which the Government has or may acquire an interest.
   9. Use its best efforts to sell, as directed or authorized by the Government through the NREL Subcontract Administrator, any property of the types referred to in subparagraph (B)(6) of this clause; provided, however, that the Subcontractor;
      (i) Is not required to extend credit to any purchaser; and
      (ii) May acquire the property under the conditions prescribed by, and at prices approved by, the Government acting through the NREL Subcontract Administrator. The proceeds of any transfer or disposition will be applied to reduce any payments to be made by NREL

under this subcontract, credited to the price or cost of the work, or paid in any other manner directed by the NREL Subcontract Administrator.

C. The Subcontractor may submit complete termination inventory schedules no later than one hundred twenty (120) days from the effective date of termination, unless extended in writing by the NREL Subcontract Administrator within this one hundred twenty (120)-day period.

D. After expiration of the plant clearance period as defined in Subpart 45.6 for the Federal Acquisition Regulation, the Subcontractor may submit to the NREL Subcontract Administrator a list, certified as to the quantity and quality, of termination inventory not previously disposed of, excluding items authorized for disposition by the NREL Subcontract Administrator. The Subcontractor may request NREL/Government to remove those items or enter into an agreement for their storage. Within fifteen (15) days, NREL/Government will accept title to those items and remove them or enter into a storage agreement. The NREL Subcontract Administrator may verify the list upon removal of the items, or if stored, within forty-five (45) days from submission of the list, and shall correct the list, as necessary, before final settlement.

E. After termination, the Subcontractor shall submit a final termination settlement proposal to the NREL Subcontract Administrator in the form and with the certification prescribed by the NREL Subcontract Administrator. The Subcontractor shall submit the proposal promptly, but no later than one (1) year from the effective date of termination, unless extended in writing by the NREL Subcontract Administrator upon written request of the Subcontractor within this one (1)-year period. However, if the NREL Subcontract Administrator determines that the facts justify it, a termination settlement proposal may be received and acted on after one (1) year or any extension. If the Subcontractor fails to submit the proposal within the time allowed, the NREL Subcontract Administrator may determine, on the basis of information available, the amount, if any, due the Subcontractor because of the termination and shall pay the amount determined.

F. Subject to paragraph (D) of this clause, the Subcontractor and the NREL Subcontract Administrator may agree upon the whole or any part of the amount to be paid because of the termination. The amount may include a reasonable allowance for profit on work done. However, the agreed amount, whether under this paragraph (F) or paragraph (G) of this clause, exclusive of costs shown in subparagraph (G)(3) of this clause, may not exceed the total subcontract price as reduced by--

1. The amount of payments previously made; and
2. The subcontract price of work not terminated.

The subcontract shall be amended, and the Subcontractor paid the agreed amount. Paragraph (G) of this clause shall not limit, restrict, or affect the amount that may be agreed upon to be paid under this paragraph.

G. If the Subcontractor and the NREL Subcontract Administrator fail to agree on the whole amount to be paid because of the termination of work, the NREL Subcontract Administrator shall pay the Subcontractor the amounts determined by the NREL Subcontract Administrator as follows, but without duplication of any amounts agreed on under paragraph (F) of this clause:

1. The subcontract price for completed supplies or services accepted by NREL (or sold or acquired under subparagraph (B) (9) of this clause) not previously paid for, adjusted for any saving of freight and other charges.
2. The total of--
   (i) The costs incurred in the performance of the work terminated, including initial costs and preparatory expense allocable thereto, but excluding any costs attributable to supplies or services paid or to be paid under subparagraph (G)(1) of this clause;
   (ii) The cost of settling and paying termination settlement proposals under terminated lower-tier subcontracts that are properly chargeable to the terminated portion of the subcontract if not included in subdivision (G)(2)(i) of this clause; and
   (iii) A sum, as profit on subdivision (G)(2)(i) of this clause, determined by the NREL Subcontract Administrator under 49.202 of the Federal Acquisition Regulation, in effect on the date of this subcontract, to be fair and reasonable; however, if it appears that the

Subcontractor would have sustained a loss on the entire subcontract had it been completed, the NREL Subcontract Administrator shall allow no profit under this subdivision (G)(2)(iii) and shall reduce the settlement to reflect the indicated rate of loss.

3. The reasonable costs of settlement of the work terminated, including--
   (i) Accounting, legal, clerical, and other expenses reasonably necessary for the preparation of termination settlement proposals and supporting data;
   (ii) The termination and settlement of lower-tier subcontracts (excluding the amounts of such settlements); and
   (iii) Storage, transportation, and other costs incurred, reasonably necessary for the preservation, protection, or disposition of the termination inventory.

H. Except for normal spoilage, and except to the extent that NREL/Government expressly assumed the risk of loss, the NREL Subcontract Administrator shall exclude from the amounts payable to the Subcontractor under paragraph (G) of this clause, the fair value, as determined by the NREL Subcontract Administrator, of property that is destroyed, lost, stolen, or damaged so as to become undeliverable to NREL/Government or to a buyer.

I. The cost principles and procedures of Part 31 of the Federal Acquisition Regulations, in effect on the date of this subcontract, shall govern all costs claimed, agreed to, or determined under this clause.

J. The Subcontractor shall have the right of appeal, under the Disputes clause, from any determination made by the NREL Subcontract Administrator under paragraph (E), (G), or (i) of this clause, except that if the Subcontractor failed to submit the termination settlement proposal or request for equitable adjustment within the time provided in paragraph (E) or (i), respectively, and failed to request a time extension, there is no right of appeal.

K. In arriving at the amount due the Subcontractor under this clause, there shall be deducted--
   1. All unliquidated advance or other payments to the Subcontractor under the terminated portion of the subcontract;
   2. Any claim which NREL/Government has against the Subcontractor under this clause; and
   3. The agreed price for, or the proceeds of sale of, materials, supplies, or other things acquired by the Subcontractor or sold under the provisions of this clause and not recovered by or credited to NREL/Government.

L. If the termination is partial, the Subcontractor may file a proposal with the NREL Subcontract Administrator for an equitable adjustment of the price(s) of the continued portion of the subcontract. The NREL Subcontract Administrator shall make any equitable adjustment agreed upon. Any proposal by the Subcontractor for an equitable adjustment under this clause shall be requested within ninety (90) days from the effective date of termination unless extended in writing by the NREL Subcontract Administrator.

M.
   1. NREL may, under the terms and conditions it prescribes, make partial payments and payments against costs incurred by the Subcontractor for the terminated portion of the subcontract, if the NREL Subcontract Administrator believes the total of these payments will not exceed the amount to which the Subcontractor will be entitled.
   2. If the total payments exceed the amount finally determined to be due, the Subcontractor shall repay the excess to NREL/Government upon demand, together with interest computed at the rate established by the Secretary of the Treasury under 50 U.S.C. App. 1215(b)(2). Interest shall be computed for the period from the date the excess payment is received by the Subcontractor to the date the excess is repaid. Interest shall not be charged on any excess payment due to a reduction in the Subcontractor's termination settlement proposal because of retention or other disposition of termination inventory until ten (10) days after the date of the retention or disposition, or a later date determined by the NREL Subcontract Administrator because of the circumstances.

N. Unless otherwise provided in this subcontract or by statute, the Subcontractor shall maintain all

records and documents relating to the terminated portion of this subcontract for three (3) years after final settlement. This includes all books and other evidence on the Subcontractor's costs and expenses under this subcontract. The Subcontractor shall make these records and documents available to NREL/Government, at the Subcontractor's office, at all reasonable times, without any direct charge. If approved by the NREL Subcontract Administrator, photographs, microphotographs, or other authentic reproductions may be maintained instead of original records and documents.

Clause 35. DEFAULT (FIXED PRICE CONSTRUCTION) (APR 1984)
Derived from FAR 52.249-10
(Applies to fixed price construction subcontracts.)

A. If the Subcontractor refuses or fails to prosecute the work or any separable part, with the diligence that will insure its completion within the time specified in this subcontract including any extension, or fails to complete the work within this time, NREL may, by written notice to the Subcontractor, terminate the right to proceed with the work (or the separable part of the work) that has been delayed. In this event, NREL may take over the work and complete it by subcontract or otherwise, and may take possession of and use any materials, appliances, and plant on the work site necessary for completing the work. The Subcontractor and its sureties shall be liable for any damage to NREL/Government resulting from the Subcontractor's refusal or failure to complete the work within the specified time, whether or not the Subcontractor's right to proceed with the work is terminated. This liability includes any increased costs incurred by NREL/Government in completing the work.

B. The Subcontractor's right to proceed shall not be terminated nor the Subcontractor charged with damages under this clause, if--
   1. The delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of the Subcontractor. Examples of such causes include--
      (i) Acts of God or of the public enemy,
      (ii) Acts of the Government in either its sovereign or contractual capacity,
      (iii) Acts of another Subcontractor in the performance of a subcontract with the Government,
      (iv) Fires,
      (v) Floods,
      (vi) Epidemics,
      (vii) Quarantine restrictions,
      (viii) Strikes,
      (ix) Freight embargoes,
      (x) Unusually severe weather, or
      (xi) Delays of lower-tier subcontractors or suppliers at any tier arising from unforeseeable causes beyond the control and without the fault or negligence of both the Subcontractor and the lower-tier subcontractors or suppliers; and
   2. The Subcontractor, within ten (10) days from the beginning of any delay (unless extended by the NREL Subcontract Administrator), notifies the NREL Subcontract Administrator in writing of the causes of delay. The NREL Subcontract Administrator shall ascertain the facts and the extent of delay. If, in the judgment of the NREL Subcontract Administrator, the findings of fact warrant such action, the time for completing the work shall be extended. The findings of the NREL Subcontract Administrator shall be final and conclusive on the parties, but subject to appeal under the Disputes clause.

C. If, after termination of the Subcontractor's right to proceed, it is determined that the Subcontractor was not in default, or that the delay was excusable, the rights and obligations of the parties will be the same as if the termination had been issued for the convenience of NREL/Government.

D. The rights and remedies of NREL/Government in this clause are in addition to any other rights and

remedies provided by law or under this subcontract.

Clause 36. EXCUSABLE DELAYS (APR 1984)
Derived from FAR 52.249-14 (FD)
(Applies to cost-reimbursement subcontracts for supplies, services, construction, and research and development on a fee basis. Also applies to time and materials, labor hour and expenses subcontracts.)

A. Except for defaults of subcontractors at any tier, the Subcontractor shall not be in default because of any failure to perform this subcontract under its terms if the failure arises from causes beyond the control and without the fault or negligence of the Subcontractor. Examples of these causes are--
   1. Acts of God or of the public enemy,
   2. Acts of the Government in either its sovereign or contractual capacity,
   3. Fires,
   4. Floods,
   5. Epidemics,
   6. Quarantine restrictions,
   7. Strikes,
   8. Freight embargoes, and
   9. Unusually severe weather.

   In each instance, the failure to perform must be beyond the control and without the fault or negligence of the Subcontractor. "Default" includes failure to make progress in the work so as to endanger performance.
B. If the failure to perform is caused by the failure of a subcontractor at any tier to perform or make progress, and if the cause of the failure was beyond the control of both the Subcontractor and lower-tier subcontractor, and without the fault or negligence of either, the Subcontractor shall not be deemed to be in default, unless--
   1. The lower-tier subcontracted supplies or services were obtainable from other sources;
   2. The NREL Subcontract Administrator ordered the Subcontractor in writing to purchase these supplies or services from the other source; and
   3. The Subcontractor failed to comply reasonably with this order.
C. Upon request of the Subcontractor, the NREL Subcontract Administrator shall ascertain the facts and extent of the failure. If the NREL Subcontract Administrator determines that any failure to perform results from one or more of the causes above, the delivery schedule shall be revised, subject to the rights of NREL/Government under the termination clause of this subcontract.

Clause 37. WHISTLEBLOWER PROTECTION FOR SUBCONTRACTOR EMPLOYEES (DEC 2000)
Derived from DEAR 952.203-70(FD)
(Applies to subcontracts for work directly related to activities at DOE-owned or -leased facilities.)

A. The subcontractor shall comply with the requirements of "DOE Contractor Employee Protection Program" at 10 CFR Part 708 for work performed on behalf of DOE directly related to activities at DOE-owned or-leased sites.
B. The Subcontractor shall insert or have inserted the substance of this clause, including this paragraph (B) in subcontracts at all tiers, for subcontracts involving work performed on behalf of DOE directly related to activities at DOE-owned or leased sites.

Clause 38. SENSITIVE FOREIGN NATIONS CONTROLS (MAY 2003)
Derived from (DEAR 952.204-71) (FD)
(Applies to all subcontracts.)

A. In connection with any activities in the performance of this subcontract, the Subcontractor agrees to comply with the "Sensitive Foreign Nations Controls" requirements of the Department of Energy, relating to those countries, which may from time to time, be identified to the Subcontractor as sensitive foreign nations. The Subcontractor shall have the right to terminate its performance under this subcontract upon at least 60 days' prior written notice to the NREL Subcontract Administrator if the Subcontractor determines that it is unable, without substantially interfering with its polices or without adversely impacting its performance to continue performance of the work under this subcontract as a result of such notification. If the Subcontractor elects to terminate performance, the provisions of this subcontract regarding termination for the convenience of the Government shall apply.
B. The provisions of this clause shall be included in any lower-tier subcontracts.

Clause 39. PUBLIC AFFAIRS (DEC 2000)
Derived from DEAR 952.204-75
(Applies to subcontracts where the subcontractor will release unclassified information related to NREL/DOE policies, programs, and activities.)

A. The Subcontractor must cooperate with NREL in releasing unclassified information to the public and news media regarding NREL/DOE policies, programs, and activities relating to its effort under the subcontract. The responsibilities under this clause must be accomplished through coordination with the NREL Subcontract Administrator and appropriate NREL public affairs personnel in accordance with procedures defined by the NREL Subcontract Administrator.
B. The Subcontractor is responsible for the development, planning, and coordination of proactive approaches for the timely dissemination of unclassified information regarding NREL/DOE activities onsite and offsite, including, but not limited to, operations and programs. Proactive public affairs programs may utilize a variety of communication media, including public workshops, meetings or hearings, open houses, newsletters, press releases, conferences, audio/visual presentations, speeches, forums, tours, and other appropriate stakeholder interactions.
C. The Subcontractor's internal procedures must ensure that all releases of information to the public and news media are coordinated through, and approved by, a management official at an appropriate level within the Subcontractor's organization.
D. The Subcontractor must comply with NREL/DOE procedures for obtaining advance clearances on oral, written, and audio/visual informational material prepared for public dissemination or use.
E. Unless prohibited by law, and in accordance with procedures defined by the NREL Subcontract Administrator, the Subcontractor must notify the NREL Subcontract Administrator and appropriate NREL public affairs personnel of communications or contacts with Members of Congress relating to the effort performed under the subcontract.
F. In accordance with procedures defined by the NREL Subcontract Administrator, the Subcontractor must notify the NREL Subcontract Administrator and appropriate NREL public affairs personnel of activities or situations that may attract regional or national news media attention and of non-routine inquiries from national news media relating to the effort performed under the subcontract.
G. In releases of information to the public and news media, the Subcontractor must fully and accurately identify the Subcontractor's relationship to NREL/DOE and fully and accurately credit NREL/DOE for its role in funding programs and projects resulting in scientific, technical, and other achievements.

Clause 40. LAWS, REGULATIONS, AND DOE DIRECTIVES (DEC 2000)
Derived from DEAR 970.5204-2 (FD)
(Applies to all subcontracts. Subcontractor is required to flow down the requirements of this clause to subcontracts at any tier to the extent necessary)

A. In performing work under this subcontract, the subcontractor shall comply with the requirements of applicable Federal, State, and local laws and regulations (including DOE regulations), unless relief has been granted in writing by the appropriate regulatory agency. A List of Applicable Laws and regulations (List A) may be appended to this contract for information purposes. Omission of any applicable law or regulation from List A does not affect the obligation of the subcontractor to comply with such law or regulation pursuant to this paragraph.

B. In performing work under this subcontract, the subcontractor shall comply with the requirements of those Department of Energy directives, or parts thereof, identified in the List of Applicable Directives (List B) appended to this subcontract. Except as otherwise provided for in paragraph (c) of this clause, the Subcontract Administrator may, from time to time and at any time, revise List B by unilateral modification to the subcontract to add, modify, or delete specific requirements. Prior to revising List B, the Subcontract Administrator shall notify the subcontractor in writing of the Department's intent to revise List B and provide the subcontractor with the opportunity to assess the effect of the subcontractor's compliance with the revised list on contract cost and funding, technical performance, and schedule; and identify any potential inconsistencies between the revised list and the other terms and conditions of the contract. Within 30 days after receipt of the Subcontract Administrator's notice, the subcontractor shall advise the Subcontract Administrator in writing of the potential impact of the subcontractor's compliance with the revised list. Based on the information provided by the subcontractor and any other information available, the Subcontract Administrator shall decide whether to revise List B and so advise the subcontractor not later than 30 days prior to the effective date of the revision of List B. The subcontractor and the contracting officer shall identify and, if appropriate, agree to any changes to other contract terms and conditions, including cost and schedule, associated with the revision of List B pursuant to the clause of this contract entitled, "Changes."

C. Environmental, safety, and health (ES&H) requirements appropriate for work conducted under this subcontract may be determined by a NREL approved process to evaluate the work and the associated hazards and identify an appropriately tailored set of standards, practices, and controls, such as a tailoring process included in a NREL approved Safety Management System implemented under the clause entitled "Integration of Environment, Safety, and Health into Work Planning and Execution." When such a process is used, the set of tailored (ES&H) requirements, as approved by DOE pursuant to the process, shall be incorporated into List B as subcontract requirements with full force and effect. These requirements shall supersede, in whole or in part, the subcontractual environmental, safety, and health requirements previously made applicable to the subcontract by List B. If the tailored set of requirements identifies an alternative requirement varying from an ES&H requirement of an applicable law or regulation, the subcontractor shall request an exemption or other appropriate regulatory relief specified in the regulation.

D. Except as otherwise directed by the Subcontract Administrator, the subcontractor shall procure all necessary permits or licenses required for the performance of work under this subcontract.

E. Regardless of the performer of the work, the subcontractor is responsible for compliance with the requirements of this clause. The subcontractor is responsible for flowing down the requirements of this clause to subcontracts at any tier to the extent necessary to ensure the subcontractor's compliance with the requirements.

Clause 41. ACCESS TO AND OWNERSHIP OF RECORDS (JUL 2005)
Derived from DEAR 970.5204-3 (FD)
(Applies to cost type subcontracts when the work is or involves a critical task under NREL's Prime Contract. Applies to all cost type subcontracts exceeding $2M and all cost type subcontracts where the clause Integration of Environment, Safety, and Health into Work Planning and Execution is applicable.)

A. Government-owned records. Except as provided in paragraph B of this clause, all records acquired or generated by the Subcontractor in its performance of this subcontract shall be the property of the Government and shall be delivered to the Government or otherwise disposed of by the Subcontractor either as the NREL Subcontract Administrator may from time to time direct during the progress of the work or, in any event, as the NREL Subcontract Administrator shall direct upon completion or termination of the subcontract.

B. Subcontractor-owned records. The following records are considered the property of the Subcontractor and are not within the scope of paragraph (a) of this clause.
   1. Employment-related records (such as worker's compensation files; employee relations records, records on salary and employee benefits; drug testing records, labor negotiation records; records on ethics, employee concerns; records generated during the course of responding to allegations of research misconduct; records generated during other employee related investigations conducted under an expectation of confidentiality; employee assistance program records; and personnel and medical/health-related records and similar files), and non-employee patient medical/health-related records, except for those records described by the subcontract as being maintained in Privacy Act systems of records.
   2. Confidential Subcontractor financial information, and correspondence between the Subcontractor and other segments of the Subcontractor located away from the Subcontractor's facility (i.e., the Subcontractor's corporate headquarters);
   3. Records relating to any procurement action by the Subcontractor, except for records that under 48 CFR 970.5232-3, Accounts, Records, and Inspection, are described as the property of the Government; and
   4. Legal records, including legal opinions, litigation files, and documents covered by the attorney-client and attorney work product privileges; and
   5. The following categories of records maintained pursuant to the other terms and conditions of this subcontract:
      (i) Executed license agreements, including exhibits or appendices containing information on royalties, royalty rates, other financial information, or commercialization plans, and all related documents, notes and correspondence.
      (ii) The Subcontractor's protected Cooperative Research and Development Agreement (CRADA) information and appendices to a CRADA that contain licensing terms and conditions, or royalty or royalty rate information.
      (iii) Patent, copyright, mask work, and trademark application files and related Subcontractor invention disclosures, documents and correspondence, where the Subcontractor has elected rights or has permission to assert rights and has not relinquished such rights or turned such rights over to the Government.

C. Subcontract completion or termination. In the event of completion or termination of this subcontract, copies of any of the Subcontractor-owned records identified in paragraph B of this clause, upon the request of the Government, shall be delivered to NREL/DOE or its designees, including successor NREL Contractors. Upon delivery, title to such records shall vest in NREL/DOE or its designees, and such records shall be protected in accordance with applicable federal laws (including the Privacy Act), as appropriate.

D. Inspection, copying, and audit of records. All records acquired or generated by the Subcontractor under this subcontract in the possession of the Subcontractor, including those described at paragraph

B of this clause, shall be subject to inspection, copying, and audit by the Government or its designees at all reasonable times, and the Subcontractor shall afford NREL/Government or its designees reasonable facilities for such inspection, copying, and audit; provided, however, that upon request by the NREL Subcontract Administrator, the Subcontractor shall deliver such records to a location specified by the NREL Subcontract Administrator for inspection, copying, and audit. NREL/Government or its designees shall use such records in accordance with applicable federal laws (including the Privacy Act), as appropriate.

E. Applicability. Paragraphs B, C, and D, of this clause apply to all records without regard to the date or origination of such records.

F. Records retention standards. Special records retention standards, described at DOE Order 200.1, Information Management Program (version in effect on effective date of subcontract), are applicable for the classes of records described therein, whether or not the records are owned by the Government or the Subcontractor. In addition, the Subcontractor shall retain individual radiation exposure records generated in the performance of work under this Subcontract until NREL/DOE authorizes disposal. The Government may waive application of these record retention schedules, if, upon termination or completion of the to obtain copies and delivery of records described in paragraphs A and B of this clause.

G. Lower-tier subcontracts. The Subcontractor shall include the requirements of this clause in all lower-tier subcontracts that are of a cost-reimbursement type if any of the following factors is present:
   1. The value of the lower-tier subcontract is greater than $2 million (unless specifically waived by the NREL Subcontract Administrator);
   2. The NREL Subcontract Administrator determines that the lower-tier subcontract is, or involves, a critical task related to the NREL's Prime Contract; or
   3. The lower-tier subcontract includes 48 CFR 970.5223-1, Integration of Environment, Safety, and Health into Work Planning and Execution, or similar clause."

Clause 42. INTEGRATION OF ENVIRONMENT, SAFETY, AND HEALTH INTO WORK PLANNING AND EXECUTION (DEC 2000)
Derived from DEAR 970.5223-1(FD)
(Applies to subcontracts involving complex or hazardous work that is to be performed on a Government-owned or -leased facility.)

A. For the purposes of this clause,
   1. Safety encompasses environment, safety and health, including pollution prevention and waste minimization; and
   2. Employees include lower-tier subcontractor employees.

B. In performing work under this subcontract, the Subcontractor shall perform work safely, in a manner that ensures adequate protection for employees, the public, and the environment, and shall be accountable for the safe performance of work. The Subcontractor shall exercise a degree of care commensurate with the work and the associated hazards. The Subcontractor shall ensure that management of environment, safety and health (ES&H) functions and activities becomes an integral but visible part of the Subcontractor's work planning and execution processes. The Subcontractor shall, in the performance of work, ensure that:
   1. Line management is responsible for the protection of employees, the public, and the environment. Line management includes those Subcontractor and lower-tier subcontractor employees managing or supervising employees performing work.
   2. Clear and unambiguous lines of authority and responsibility for ensuring (ES&H) are established and maintained at all organizational levels.
   3. Personnel possess the experience, knowledge, skills, and abilities that are necessary to discharge

their responsibilities.

4. Resources are effectively allocated to address ES&H, programmatic, and operational considerations. Protecting employees, the public, and the environment is a priority whenever activities are planned and performed.
5. Before work is performed, the associated hazards are evaluated and an agreed-upon set of ES&H standards and requirements are established which, if properly implemented, provide adequate assurance that employees, the public, and the environment are protected from adverse consequences.
6. Administrative and engineering controls to prevent and mitigate hazards are tailored to the work being performed and associated hazards. Emphasis should be on designing the work and/or controls to reduce or eliminate the hazards and to prevent accidents and unplanned releases and exposures.
7. The conditions and requirements to be satisfied for operations to be initiated and conducted are established and agreed-upon by NREL/Government and the Subcontractor. These agreed-upon conditions and requirements are requirements of the subcontract and binding upon the Subcontractor. The extent of documentation and level of authority for agreement shall be tailored to the complexity and hazards associated with the work and shall be established in a Safety Management System.

C. The Subcontractor shall manage and perform work in accordance with a documented Safety Management System (System) that fulfills all conditions in paragraph (B) of this clause at a minimum. Documentation of the System shall describe how the Subcontractor will:
   1. Define the scope of work;
   2. Identify and analyze hazards associated with the work;
   3. Develop and implement hazard controls;
   4. Perform work within controls; and
   5. Provide feedback on adequacy of controls and continue to improve safety management.

D. The System shall describe how the Subcontractor will establish, document, and implement safety performance objectives, performance measures, and commitments in response to NREL/DOE program and budget execution guidance while maintaining the integrity of the System. The System shall also describe how the Subcontractor will measure system effectiveness.

E. The Subcontractor shall submit to the NREL Subcontract Administrator documentation of its System for review and approval. Dates for submittal, discussions, and revisions to the System will be established by the NREL Subcontract Administrator. Guidance on the preparation, content, review, and approval of the System will be provided by the NREL Subcontract Administrator. On an annual basis, the Subcontractor shall review and update, for NREL's approval, its safety performance objectives, performance measures, and commitments consistent with and in response to NREL/DOE program and budget execution guidance and direction. Resources shall be identified and allocated to meet the safety objectives and performance commitments as well as maintain the integrity of the entire System. Accordingly, the System shall be integrated with the Subcontractor's business processes for work planning, budgeting, authorization, execution, and change control.

F. The Subcontractor shall comply with, and assist NREL/DOE in complying with, ES&H requirements of all applicable laws and regulations, and applicable directives identified in the clause of NREL's Prime Contract entitled "Laws, Regulations, and DOE Directives." The Subcontractor shall cooperate with Federal and non-Federal agencies having jurisdiction over ES&H matters under this subcontract.

G. The Subcontractor shall promptly evaluate and resolve any noncompliance with applicable ES&H requirements and the System. If the Subcontractor fails to provide resolution or if, at any time, the Subcontractor's acts or failure to act causes substantial harm or an imminent danger to the environment or health and safety of employees or the public, the NREL Subcontract Administrator may issue an order stopping work in whole or in part. Any stop work order issued by the NREL Subcontract Administrator under this clause (or issued by the Subcontractor to a lower–tier

subcontractor in accordance with paragraph (i) of this clause) shall be without prejudice to any other legal or contractual rights of NREL/Government. In the event that the NREL Subcontract Administrator issues a stop work order, an order authorizing the resumption of the work may be issued at the discretion of the NREL Subcontract Administrator. The Subcontractor shall not be entitled to an extension of time or additional fee or damages by reason of, or in connection with, any work stoppage ordered in accordance with this clause.

H. Regardless of the performer of the work, the Subcontractor is responsible for compliance with the ES&H requirements applicable to this subcontract. The Subcontractor is responsible for flowing down the ES&H requirements applicable to this subcontract to subcontracts at any tier to the extent necessary to ensure the Subcontractor's compliance with the requirements.

I. The Subcontractor shall include a clause substantially the same as this clause in lower-tier subcontracts involving complex or hazardous work on site at a Government-owned or-leased facility. Such lower-tier subcontracts shall provide for the right to stop work under the conditions described in paragraph (G) of this clause. Depending on the complexity and hazards associated with the work, the Subcontractor may choose not to require the lower-tier subcontractor to submit a Safety Management System for the Subcontractor's review and approval.

Clause 43. ACCOUNTS, RECORDS, AND INSPECTION AND ALTERNATE I (SPECIAL) (FEB 2006)

Derived from DEAR 970.5232-3 (FD)

(Applies to all cost type subcontracts. Applies to all fixed price or unit price subcontracts where under the terms of the subcontract, costs incurred are a factor in determining the amount payable to the subcontractor.)

A. Accounts. The contractor shall maintain a separate and distinct set of accounts, records, documents, and other evidence showing and supporting: all allowable costs incurred; collections accruing to the contractor in connection with the work under this contract, other applicable credits, negotiated fixed amounts, and fee accruals under this contract; and the receipt, use, and disposition of all Government property coming into the possession of the contractor under this contract. The system of accounts employed by the contractor shall be satisfactory to DOE and in accordance with generally accepted accounting principles consistently applied.

B. Inspection and audit of accounts and records. All books of account and records relating to this contract shall be subject to inspection and audit by DOE or its designees in accordance with the provisions of Clause I.98, Access to and ownership of records, at all reasonable times, before and during the period of retention provided for in paragraph (d) of this clause, and the contractor shall afford DOE proper facilities for such inspection and audit.

C. Audit of subcontractors' records. The contractor also agrees, with respect to any subcontracts (including fixed-price or unit-price subcontracts or purchase orders) where, under the terms of the subcontract, costs incurred are a factor in determining the amount payable to the subcontractor of any tier, to either conduct an audit of the subcontractor's costs or arrange for such an audit to be performed by the cognizant government audit agency through the contracting officer.

D. Disposition of records. Except as agreed upon by the Government and the contractor, all financial and cost reports, books of account and supporting documents, system files, data bases, and other data evidencing costs allowable, collections accruing to the contractor in connection with the work under this contract, other applicable credits, and fee accruals under this contract, shall be the property of the Government, and shall be delivered to the Government or otherwise disposed of by the contractor either as the contracting officer may from time to time direct during the progress of the work or, in any event, as the contracting officer shall direct upon completion or termination of this contract and final audit of accounts hereunder. Except as otherwise provided in this contract, including provisions of Clause I.98, Access to and ownership of records, all other records in the

possession of the contractor relating to this contract shall be preserved by the contractor for a period of three years after final payment under this contract or otherwise disposed of in such manner as may be agreed upon by the Government and the contractor.

E. Reports. The contractor shall furnish such progress reports and schedules, financial and cost reports, and other reports concerning the work under this contract as the contracting officer may from time to time require.

F. Inspections. The DOE shall have the right to inspect the work and activities of the contractor under this contract at such time and in such manner as it shall deem appropriate.

G. Subcontracts. The contractor further agrees to require the inclusion of provisions similar to those in paragraphs (a) through (g) and paragraph (h) of this clause in all subcontracts (including fixed-price or unit-price subcontracts or purchase orders) of any tier entered into hereunder where, under the terms of the subcontract, costs incurred are a factor in determining the amount payable to the subcontractor.

H. Comptroller General.
   1. The Comptroller General of the United States, or an authorized representative, shall have access to and the right to examine any of the contractor's directly pertinent records involving transactions related to this contract or a subcontract hereunder.
   2. This paragraph may not be construed to require the contractor or subcontractor to create or maintain any record that the contractor or subcontractor does not maintain in the ordinary course of business or pursuant to a provision of law.
   3. Nothing in this contract shall be deemed to preclude an audit by the General Accounting Office of any transaction under this contract.

I. Internal audit. The contractor agrees to establish and maintain an internal audit activity and provide the following reports:
   1. Internal Audit Implementation Design. Within thirty (30) days of contract award and each 5th year of contract performance or upon the exercise of any contract option or the extension of the contract, the contractor shall submit to the contracting officer an Internal Audit Implementation Design to include the overall strategy for audit activity. The Implementation Design will describe (i) the audit activity's placement within the contractor's organization including reporting requirements; (ii) its size and the experience and educational standards of the audit staff; (iii) its relationship to the corporate parent(s) of the contractor; (iv) the standards used to audit; (v) an overall audit strategy for relevant performance period of this contract, considering particularly the method of auditing costs incurred in the performance of the contract; (vi) the intended use of external audit resources; (vii) the plan for audit, both pre-award and post-award of subcontracts; and (viii) the schedule of peer review of the internal audit activity by other DOE contractor internal audit activities.
   2. Annual Audit Report. By each January 31 of the contract performance period, the contractor shall submit an annual audit report, providing a summary of the audit activities undertaken during the previous fiscal year and their results.
   3. Annual Audit Plan. By each June 30 of the contract performance period, the contractor shall submit to the contracting officer an annual plan that reflects the activities to be undertaken during the next fiscal year. The contractor shall design the Annual Plan to test the costs incurred and contractor management systems described in the Internal Audit Design.
   4. Contracting Officer's Satisfaction. The design of the internal audit activity submitted under subparagraph (1), the annual report submitted under subparagraph (2), and the annual audit plan submitted under subparagraph (3) shall be satisfactory to the contracting officer.

J. Statement of Cost Incurred and Claimed. At any time during subcontract performance, should the NREL Subcontract Administrator determine that the costs incurred are unallowable to an extent to cause a loss of confidence in the Subcontractor's management controls or the Subcontractor's management systems that validate the costs incurred and claimed, the NREL Subcontract Administrator may, in his or her sole discretion, impose conditions upon the Subcontractor

including direction that specific types of cost be claimed by periodic vouchering. In addition, the NREL Subcontract Administrator may direct the Subcontractor to pay the NREL an amount equal to the unallowable costs or payments improperly made and take any other action or combination of actions provided in this subcontract, at law, or in equity. This action shall not relieve the Subcontractor from any obligation to perform its obligations under this subcontract.

SECTION II ARCHITECT / ENGINEERING SERVICES

The following clauses are applicable to architect/engineering services

Clause 44. RESPONSIBILITY OF THE ARCHITECT-ENGINEER SUBCONTRACTOR (APR 1984)
Derived from FAR 52.236-23
(Applies to architect-engineer subcontracts.)

A. The Subcontractor shall be responsible for the professional quality, technical accuracy, and the coordination of all designs, drawings, specifications, and other services furnished by the Subcontractor under this subcontract. The Subcontractor shall, without additional compensation, correct or revise any errors or deficiencies in its designs, drawings, specifications, and other services.
B. Neither NREL's review, approval or acceptance of, nor payment for, the services required under this subcontract shall be construed to operate as a waiver of any rights under this subcontract or of any cause of action arising out of the performance of this subcontract, and the Subcontractor shall be and remain liable to NREL/Government in accordance with applicable law for all damages to NREL/Government caused by the Subcontractor's negligent performance of any of the services furnished under this subcontract.
C. The rights and remedies of NREL/Government provided for under this subcontract are in addition to any other rights and remedies provided by law.
D. If the Subcontractor is comprised of more than one legal entity, each such entity shall be jointly and severally liable hereunder.

Clause 45. WORK OVERSIGHT IN ARCHITECT-ENGINEER SUBCONTRACTS (APR 1984)
Derived from FAR 52.236-24
(Applies to architect-engineer subcontracts.)

The extent and character of the work to be done by the Subcontractor shall be subject to the general oversight, supervision, direction, control, and approval of the NREL Subcontract Administrator.

Clause 46. REQUIREMENTS FOR REGISTRATION OF DESIGNERS (APR 1984)
Derived from FAR 52.236-25
(Applies to architect-engineer subcontracts.)

The design of architectural, structural, mechanical, electrical, civil, or other engineering features of the work shall be accomplished or reviewed and approved by architects or engineers registered to practice in the particular professional field involved in a State or possession of the United States, in Puerto Rico, or in the District of Columbia.

Clause 47. LOWER-TIER SUBCONTRACTORS AND OUTSIDE ASSOCIATES AND CONSULTANTS (ARCHITECT-ENGINEER SERVICES) (AUG 1998)
Derived from FAR 52.244-4
(Applies to architect-engineer subcontracts.)

Any lower-tier subcontractors and outside associates or consultants required by the Subcontractor in connection with the services covered by the subcontract will be limited to individuals or firms that were specifically identified and agreed to during negotiations. The Subcontractor shall obtain the NREL Subcontract Administrator's written consent before making any substitution for these lower-tier subcontractors, associates, or consultants.

Clause 48. INSPECTION IN ARCHITECT-ENGINEER SUBCONTRACTS (APR 1994)
Derived from DEAR 952.236-71
(Applies to architect-engineer subcontracts.)

NREL/Government, through any authorized representatives, have the right at all reasonable times, to inspect, or otherwise evaluate the work performed or being performed hereunder and the premises in which it is being performed. If any inspection, or evaluation is made by NREL/Government on the premises of the Subcontractor or a lower-tier subcontractor, the Subcontractor shall provide and shall require his lower-tier subcontractor to provide all reasonable facilities and assistance for the safety and convenience of NREL/Government representatives in the performance of their duties. All inspections and evaluations shall be performed in such a manner as will not unduly delay the work.

SECTION III CONSTRUCTION SERVICES

The following clauses are applicable to construction services

Clause 49. DAVIS-BACON ACT (FEB 1995)
Derived from FAR 52.222-6 (FD)
(Applies to construction subcontracts exceeding $2,000.)

A. All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Subcontractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (D) of this clause; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such period. Such laborers and mechanics shall be paid not less than the appropriate wage rate and fringe benefits in the wage determination for the classification of work actually performed, without regard to skill, except as provided in the clause entitled "Apprentices and Trainees." Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein; provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph (B) of this clause) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Subcontractor and its lower-tier subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

B.

1. The NREL Subcontract Administrator shall require that any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the subcontract shall be classified in conformance with the wage determination. The NREL Subcontract Administrator shall approve an additional classification and wage rate and fringe benefits therefore only when all the following criteria have been met:
   (i) The work to be performed by the classification requested is not performed by a classification in the wage determination.
   (ii) The classification is utilized in the area by the construction industry.
   (iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.
2. If the Subcontractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the NREL Subcontract Administrator agree on the classification and wage rate (including the amount designated for fringe benefits, where appropriate), a report of the action taken shall be sent by the NREL Subcontract Administrator through the DOE Contracting Officer to the Administrator of the:
   Wage and Hour Division
   Employment Standards Administration

U.S. Department of Labor
Washington, DC 20210.

The Administrator or an authorized representative will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the NREL Subcontract Administrator or will notify the NREL Subcontract Administrator within the 30-day period that additional time is necessary.

3. In the event the Subcontractor, the laborers or mechanics to be employed in the classification, or their representatives, and the NREL Subcontract Administrator do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the NREL Subcontract Administrator shall refer the questions, including the views of all interested parties and the recommendation of the NREL Subcontract Administrator, through the DOE Contracting Officer, to the Administrator of the Wage and Hour Division for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the NREL Subcontract Administrator or will notify the NREL Subcontract Administrator within the 30-day period that additional time is necessary.
4. The wage rate (including fringe benefits, where appropriate) determined pursuant to subparagraphs (B)(2) and (B)(3) of this clause shall be paid to all workers performing work in the classification under this subcontract from the first day on which work is performed in the classification.

C. Whenever the minimum wage rate prescribed in the subcontract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Subcontractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

D. If the Subcontractor does not make payments to a trustee or other third person, the Subcontractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program; provided, that the Secretary of Labor has found, upon the written request of the Subcontractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Subcontractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

Clause 50. WITHHOLDING OF FUNDS (FEB 1988)
Derived from FAR 52.222-7
(Applies to construction subcontracts exceeding $2,000.)

The NREL Subcontract Administrator shall, upon his or her own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the Subcontractor under this subcontract or any other Federal contract with the same Subcontractor, or any other Federally assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same Subcontractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Subcontractor or any lower-tier subcontractor the full amount of wages required by the subcontract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of work, all or part of the wages required by the subcontract, the NREL Subcontract Administrator may, after written notice to the Subcontractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

Clause 51. PAYROLLS AND BASIC RECORDS (FEB 1988)
Derived from FAR 52.222-8
(Applies to construction subcontracts exceeding $2,000.)

A. Payrolls and basic records relating thereto shall be maintained by the Subcontractor during the course of the work and preserved for a period of three (3) years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalent thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Whenever the Secretary of Labor has found, under paragraph (D) of the clause entitled Davis-Bacon Act, that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Subcontractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Subcontractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

B.

1. The Subcontractor shall submit weekly for each week in which any subcontract work is performed a copy of all payrolls to the NREL Subcontract Administrator. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under paragraph (A) of this clause. This information may be submitted in any form desired. Optional Form WH-347 (Federal Stock Number 029-005-00014-1) is available for this purpose and may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. The Subcontractor is responsible for the submission of copies of payrolls by all lower-tier subcontractors.
2. Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Subcontractor or lower-tier subcontractor or his or her agent who pays or supervises the payment of the persons employed under the subcontract and shall certify--
   (i) That the payroll for the payroll period contains the information required to be maintained under paragraph (A) of this clause and that such information is correct and complete;
   (ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the subcontract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in the Regulations, 29 CFR Part 3; and
   (iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the subcontract.
3. The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by subparagraph (B)(2) of this clause.
4. The falsification of any of the certifications in this clause may subject the Subcontractor or lower-tier subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 3729 of Title 31 of the United States Code.

C. The Subcontractor or lower-tier subcontractor shall make the records required under paragraph (A) of this clause available for inspection, copying, or transcription by the NREL Subcontract

Administrator or authorized representatives of the NREL Subcontract Administrator or the Department of Labor. The Subcontractor or lower-tier subcontractor shall permit the NREL Subcontract Administrator or representatives of the NREL Subcontract Administrator or the Department of Labor to interview employees during working hours on the job. If the Subcontractor or lower-tier subcontractor fails to submit required records or to make them available, the NREL Subcontract Administrator may, after written notice to the Subcontractor, take such action as may be necessary to cause the suspension of any further payment. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

Clause 52. APPRENTICES AND TRAINEES (FEB 1988)
Derived from FAR 52.222-9
(Applies to construction subcontracts exceeding $2,000.)

A. Apprentices.

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first ninety (90) days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Subcontractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in this paragraph, shall be paid not less than the applicable wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a Subcontractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Subcontractor's or lower-tier subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Bureau of Apprenticeship and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, the Subcontractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

B. Trainees.

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the

Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed in the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate in the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate in the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate in the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Subcontractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

C. Equal employment opportunity.
The utilization of apprentices, trainees, and journeymen under this clause shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

Clause 53. COMPLIANCE WITH COPELAND ACT REQUIREMENTS (FEB 1988)
Derived from FAR 52.222-10
(Applies to construction subcontracts exceeding $2,000.)

The Subcontractor shall comply with the requirements of 29 CFR Part 3, which are hereby incorporated by reference in this subcontract.

Clause 54. LOWER-TIER SUBCONTRACTS (LABOR STANDARDS) (FEB 1988)
Derived from FAR 52.222-11
(Applies to construction subcontracts exceeding $2,000.)

A. The Subcontractor or lower-tier subcontractor shall insert in any lower-tier subcontracts the clauses entitled Davis-Bacon Act; Contract Work Hours and Safety Standards Act--Overtime Compensation; Apprentices and Trainees; Payrolls and Basic Records; Compliance with Copeland Act Requirements; Withholding of Funds; Lower-tier Subcontracts (Labor Standards); Subcontract Termination--Debarment; Disputes Concerning Labor Standards; Compliance with Davis-Bacon and Related Act Regulations; and Certification of Eligibility; and such other clauses as the NREL Subcontract Administrator may, by appropriate instructions, require, and also a clause requiring lower-tier subcontractors to include these clauses in any sub-tier subcontracts. The Subcontractor shall be responsible for compliance by any lower-tier subcontractor or sub-tier subcontractor with all the subcontract clauses cited in this paragraph.

B.
1. Within fourteen (14) days after award of the subcontract, the Subcontractor shall deliver to the NREL Subcontract Administrator a completed Statement and Acknowledgement Form (SF 1413) for each lower-tier subcontract, including the lower-tier subcontractor's signed and dated acknowledgement that the clauses set forth in paragraph (A) of this clause have been included in the sub-tier subcontract.
2. Within fourteen (14) days after the award of any subsequently awarded lower-tier subcontract

the Subcontractor shall deliver to the NREL Subcontract Administrator an updated completed SF 1413 for such additional lower-tier subcontract.

Clause 55. SUBCONTRACT TERMINATION – DEBARRMENT (FEB 1988)
Derived from FAR 52.222-12

A breach of the contract clauses entitled Davis-Bacon Act, Contract Work Hours and Safety Standards Act—Overtime Compensation, Apprentices and Trainees, Payrolls and Basic Records, Compliance with Copeland Act Requirements, Subcontracts (Labor Standards), Compliance with Davis-Bacon and Related Act Regulations, or Certification of Eligibility may be grounds for termination of the contract, and for debarment as a Subcontractor and subcontractor as provided in 29 CFR 5.12.

Clause 56. COMPLIANCE WITH DAVIS-BACON AND RELATED ACT REGULATIONS (FEB 1988)
Derived from FAR 52.222-13
(Applies to construction subcontracts exceeding $2,000.)

All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are hereby incorporated by reference in this subcontract.

Clause 57. DISPUTES CONCERNING LABOR STANDARDS (FEB 1988)
Derived from FAR 52.222-14
(Applies to construction subcontracts exceeding $2,000.)

The United States Department of Labor has set forth in 29 CFR Parts 5, 6, and 7 procedures for resolving disputes concerning labor standards requirements. Such disputes shall be resolved in accordance with those procedures and not the Disputes clause of this subcontract. Disputes within the meaning of this clause includes disputes between the Subcontractor (or any of its lower-tier subcontractors) and NREL, the U.S. Department of Energy, the U.S. Department of Labor, or the employees or their representatives.

Clause 58. CERTIFICATION OF ELIGIBILITY (FEB 1988)
Derived from FAR 52.222-15
(Applies to construction subcontracts exceeding $2,000.)

A. By entering into this subcontract, the Subcontractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Subcontractor's firm is a person or firm ineligible to be awarded Government contracts or subcontracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
B. No part of this subcontract shall be subcontracted to any person or firm ineligible for award of a Government contract or subcontract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
C. The penalty for making false statements is prescribed in the U.S. Criminal code, 18 U.S.C. 1001.

Clause 59. AFFIRMATIVE ACTION COMPLIANCE REQUIREMENTS FOR CONSTRUCTION (FEB 1999)
Derived from FAR 52.222-27
(Applies to construction subcontracts exceeding $10,000.)

A. Definitions.
"Covered area," as used in this clause, means the geographical area described in the solicitation for this subcontract.
"Deputy Assistant Secretary," as used in this clause, means the Deputy Assistant Secretary for Federal Contract Compliance, U.S. Department of Labor, or a designee.
"Employer's identification number," as used in this clause, means the Federal Social Security number used on the employer's quarterly federal tax return, U.S. Treasury Department Form 941.
"Minority," as used in this clause, means –
1. American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).
2. Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands);
3. Black (all persons having origins in any of the black African racial groups not of Hispanic origin); and
4. Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race).

B. If the Subcontractor, or a lower-tier subcontractor at any tier, subcontracts a portion of the work involving any construction trade, each such subcontract in excess of $10,000 shall include this Article and the Notice containing the goals for minority and female participation stated in the solicitation for this subcontract.

C. If the Subcontractor is participating in a Hometown Plan (41 CFR 60-4) approved by the U.S. Department of Labor in a covered area, either individually or through an association, its affirmative action obligations on all work in the plan area (including goals) shall comply with the plan for those trades that have unions participating in the plan. Subcontractors must be able to demonstrate participation in, and compliance with, the provisions of the plan. Each Subcontractor or lower-tier subcontractor participating in an approved plan is also required to comply with its obligations under the Equal Opportunity clause, and to make a good faith effort to achieve each goal under the plan in each trade in which it has employees. The overall good-faith performance by other Subcontractors or lower-tier subcontractors toward a goal in an approved plan does not excuse any Subcontractor's or lower-tier subcontractor's failure to make good-faith efforts to achieve the plan's goals.

D. The Subcontractor shall implement the affirmative action procedures in subparagraphs G (1) through (16) of this clause. The goals stated in the solicitation for this contract are expressed as percentages of the total hours of employment and training of minority and female utilization that the Subcontractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. If the Subcontractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for the geographical area where that work is actually performed. The Subcontractor is expected to make substantially uniform progress toward its goals in each craft.

E. Neither the terms and conditions of any collective bargaining agreement, nor the failure by a union with which the Subcontractor has a collective bargaining agreement, to refer minorities or women shall excuse the Subcontractor's obligations under this clause, Executive Order 11246, as amended, or the regulations thereunder.

F. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, apprentices and trainees must be employed by the Subcontractor during the training period, and the Subcontractor must have made a commitment to employ the apprentices and trainees at the

completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.

G. The Subcontractor shall take affirmative action to ensure equal employment opportunity. The evaluation of the Subcontractor's compliance with this Article shall be based upon its effort to achieve maximum results from its actions. The Subcontractor shall document these efforts fully and implement affirmative action steps at least as extensive as the following:

1. Ensure a working environment free of harassment, intimidation, and coercion at all sites and in all facilities where the Subcontractor's employees are assigned to work. The Subcontractor, if possible, will assign two or more women to each construction project. The Subcontractor shall ensure that foremen, superintendents, and other onsite supervisory personnel are aware of and carry out the Subcontractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at these sites or facilities.
2. Establish and maintain a current list of sources for minority and female recruitment. Provide written notification to minority and female recruitment sources and community organizations when the Subcontractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
3. Establish and maintain a current file of the names, addresses, and telephone numbers of each minority and female off-the-street applicant, referrals of minorities or females from unions, recruitment sources, or community organizations, and the action taken with respect to each individual. If an individual was sent to the union hiring hall for referral and not referred back to the Subcontractor by the union or, if referred back, not employed by the Subcontractor, this shall be documented in the file, along with whatever additional actions the Subcontractor may have taken.
4. Immediately notify the Deputy Assistant Secretary when the union or unions with which the Subcontractor has a collective bargaining agreement has not referred back to the Subcontractor a minority or woman sent by the Subcontractor, or when the Subcontractor has other information that the union referral process has impeded the Subcontractor's efforts to meet its obligations.
5. Develop on-the-job training opportunities and/or participate in training programs for the area that expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Subcontractor's employment needs, especially those programs funded or approved by the Department of Labor. The Subcontractor shall provide notice of these programs to the sources compiled under subparagraph (g)(2) of this clause.
6. Disseminate the Subcontractor's equal employment policy by --
   (i) Providing notice of the policy to unions and to training, recruitment, and outreach programs, and requesting their cooperation in assisting the Subcontractor in meeting its contract obligations;
   (ii) Including the policy in any policy manual and in collective bargaining agreements;
   (iii) Publicizing the policy in the company newspaper, annual report, etc.;
   (iv) Reviewing the policy with all management personnel and with all minority and female employees at least once a year; and
   (v) Posting the policy on bulletin boards accessible to employees at each location where construction work is performed.
7. Review, at least annually, the Subcontractor's equal employment policy and affirmative action obligations with all employees having responsibility for hiring, assignment, layoff, termination, or other employment decisions. Conduct review of this policy with all on-site supervisory personnel before initiating construction work at a job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
8. Disseminate the Subcontractor's equal employment policy externally by including it in any advertising in the news media, specifically including minority and female news media. Provide

written notification to, and discuss this policy with, other Subcontractors and lower-tier subcontractors with which the Subcontractor does or anticipates doing business.

9. Direct recruitment efforts, both oral and written, to minority, female, and community organizations, to schools with minority and female students, and to minority and female recruitment and training organizations serving the Subcontractor's recruitment area and employment needs. Not later than 1 month before the date for acceptance of applications for apprenticeship or training by any recruitment source, send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.
10. Encourage present minority and female employees to recruit minority persons and women. Where reasonable, provide after-school, summer, and vacation employment to minority and female youth both on the site and in other areas of the Subcontractor's workforce.
11. Validate all tests and other selection requirements where required under 41 CFR 60-3.
12. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities. Encourage these employees to seek or to prepare for, through appropriate training, etc., opportunities for promotion.
13. Ensure that seniority practices, job classifications, work assignments, and other personnel practices do not have a discriminatory effect by continually monitoring all personnel and employment-related activities to ensure that the Subcontractor's obligations under this subcontract are being carried out.
14. Ensure that all facilities and company activities are non-segregated except that separate or single-user rest rooms and necessary changing or sleeping areas shall be provided to assure privacy between the sexes.
15. Maintain a record of solicitations for lower-tier subcontracts for minority and female construction lower-tier subcontractors and suppliers, including circulation of solicitations to minority and female lower-tier subcontractor associations and other business associations.
16. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Subcontractor's equal employment policy and affirmative action obligations.

H. The Subcontractor is encouraged to participate in voluntary associations that may assist in fulfilling one or more of the affirmative action obligations contained in subparagraphs G (1) through (16) of this clause. The efforts of a subcontractor association, joint subcontractor-union, subcontractor-community, or similar group of which the subcontractor is a member and participant may be asserted as fulfilling one or more of its obligations under subparagraphs G (1) through (16) of this clause, provided the Subcontractor –

1. Actively participates in the group;
2. Makes every effort to ensure that the group has a positive impact on the employment of minorities and women in the industry;
3. Ensures that concrete benefits of the program are reflected in the Subcontractor's minority and female workforce participation;
4. Makes a good-faith effort to meet its individual goals and timetables; and
5. Can provide access to documentation that demonstrates the effectiveness of actions taken on behalf of the Subcontractor. The obligation to comply is the Subcontractor's, and failure of such a group to fulfill an obligation shall not be a defense for the Subcontractor's noncompliance.

I. A single goal for minorities and a separate single goal for women shall be established. The Subcontractor is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Subcontractor may be in violation of Executive Order 11246, as amended, if a particular group is employed in a substantially disparate manner.

J. The Subcontractor shall not use goals or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.

K. The Subcontractor shall not enter into any lower-tier subcontract with any person or firm debarred

from Government contracts or subcontracts under Executive Order 11246, as amended.

L. The Subcontractor shall carry out such sanctions and penalties for violation of this Article and of the Equal Opportunity clause, including suspension, termination, and cancellation of existing lower-tier subcontracts, as may be imposed or ordered under Executive Order 11246, as amended, and its implementing regulations, by the OFCCP. Any failure to carry out these sanctions and penalties as ordered shall be a violation of this Article and Executive Order 11246, as amended.

M. The Subcontractor in fulfilling its obligations under this Article shall implement affirmative action procedures at least as extensive as those prescribed in paragraph G of this Article, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Subcontractor fails to comply with the requirements of Executive Order 11246, as amended, the implementing regulations, or this clause, the Deputy Assistant Secretary shall take action as prescribed in 41 CFR 60-4.8.

N. The Subcontractor shall designate a responsible official to --
   1. Monitor all employment-related activity to ensure that the Subcontractor's equal employment policy is being carried out;
   2. Submit reports as may be required by NREL; and
   3. Keep records that shall at least include for each employee the name, address, telephone number, construction trade, union affiliation (if any), employee identification number, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, separate records are not required to be maintained.

O. Nothing contained herein shall be construed as a limitation upon the application of other laws that establish different standards of compliance or upon the requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

Clause 60. HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA (JAN 1997) AND (ALTERNATE I)(JULY 1995)
Derived from FAR 52.223-3

A. "Hazardous material," as used in this clause, includes any material defined as hazardous under the latest version of Federal Standard No. 313 (including revisions adopted during the term of the contract).

B. The offeror must list any hazardous material, as defined in paragraph (a) of this clause, to be delivered under this contract. The hazardous material shall be properly identified and include any applicable identification number, such as National Stock Number or Special Item Number. This information shall also be included on the Material Safety Data Sheet submitted under this contract.

Material (If none, insert "None")	Identification No.
_____	_____
_____	_____
_____	_____

C. This list must be updated during performance of the subcontract whenever the Subcontractor determines that any other material to be delivered under this subcontract is hazardous.

D. The apparently successful offeror agrees to submit, for each item as required prior to award, a Material Safety Data Sheet, meeting the requirements of 29 CFR 1910.1200(g) and the latest version of Federal Standard No. 313, for all hazardous material identified in paragraph (b) of this

clause. Data shall be submitted in accordance with Federal Standard No. 313, whether or not the apparently successful offeror is the actual manufacturer of these items. Failure to submit the Material Safety Data Sheet prior to award may result in the apparently successful offeror being considered nonresponsible and ineligible for award.

E. If, after award, there is a change in the composition of the item(s) or a revision to Federal Standard No. 313, which renders incomplete or inaccurate the data submitted under paragraph (d) of this clause, the Subcontractor shall promptly notify the Subcontract Administrator and resubmit the data.

F. Neither the requirements of this clause nor any act or failure to act by NREL shall relieve the Subcontractor of any responsibility or liability for the safety of Government, Subcontractor, or lower-tier subcontractor personnel or property.

G. Nothing contained in this clause shall relieve the Subcontractor from complying with applicable Federal, State, and local laws, codes, ordinances, and regulations (including the obtaining of licenses and permits) in connection with hazardous material.

H. The Government's rights in data furnished under this subcontract with respect to hazardous material are as follows:

1. To use, duplicate and disclose any data to which this clause is applicable. The purposes of this right are to—
   (i) Apprise personnel of the hazards to which they may be exposed in using, handling, packaging, transporting, or disposing of hazardous materials;
   (ii) Obtain medical treatment for those affected by the material; and
   (iii) Have others use, duplicate, and disclose the data for the Government for these purposes.
2. To use, duplicate, and disclose data furnished under this clause, in accordance with paragraph (h)(1) of this clause, in precedence over any other clause of this contract providing for rights in data.
3. The Government is not precluded from using similar or identical data acquired from other sources.

I. Except as provided in paragraph I 2., the Subcontractor shall prepare and submit a sufficient number of Material Safety Data Sheets (MSDSs), meeting the requirements of 29 CFR 1910.1200(g) and the latest version of Federal Standard No. 313, for all hazardous materials identified in paragraph (b) of this clause.

1. For items shipped to consignees, the Subcontractor shall include a copy of the MSDSs with the packing list or other suitable shipping document which accompanies each shipment. Alternatively, the Subcontractor is permitted to transmit MSDSs to consignees in advance of receipt of shipments by consignees, if authorized in writing by the Subcontract Administrator.
2. For items shipped to consignees identified by mailing address as agency depots, distribution centers or customer supply centers, the Subcontractor shall provide one copy of the MSDSs in or on each shipping container. If affixed to the outside of each container, the MSDSs must be placed in a weather resistant envelope.

Clause 61. PATENT INDEMNITY--CONSTRUCTION CONTRACTS (APR 1984)
Derived from FAR 52.227-4
(Applies to construction subcontracts.)

Except as otherwise provided, the Subcontractor agrees to indemnify NREL/Government and their officers, agents, and employees against liability, including costs and expenses, for infringement upon any United States patent (except a patent issued upon an application that is now or may hereafter be withheld from issue pursuant to a Secrecy Order under 35 U.S.C. 181) arising out of performing this subcontract or out of the use or disposal by or for the account of NREL/Government of supplies furnished or work performed under this subcontract.

Clause 62. ADDITIONAL BOND SECURITY (OCT 1997)
Derived from FAR 52.228-2
(Applies to subcontracts where a bond is required.)

The Subcontractor shall promptly furnish additional security required to protect NREL/Government and persons supplying labor or materials under this subcontract if--

A. Any surety upon any bond, or issuing financial institution for other security, furnished with this subcontract becomes unacceptable to NREL/Government;
B. Any surety fails to furnish reports on its financial condition as required by NREL/Government; or
C. The subcontract price is increased so that the penal sum of any bond becomes inadequate in the opinion of the NREL Subcontract Administrator, or
D. An irrevocable letter of credit (ILC) used as security will expire before the end of the period of required security. If the Subcontractor does not furnish an acceptable extension or replacement ILC, or other acceptable substitute, at least 30 days before an ILC's scheduled expiration, the NREL Subcontract Administrator has the right to immediately draw on the ILC.

Clause 63. PAYMENTS UNDER FIXED-PRICE CONSTRUCTION SUBCONTRACTS (SEP 2002)
Derived from FAR 52.232-5
(Applies to fixed-price construction subcontracts.)

A. Payment of price.
NREL shall pay the Subcontractor the subcontract price as provided in this subcontract.
B. Progress payments.
NREL shall make progress payments monthly as the work proceeds, or at more frequent intervals as determined by the NREL Subcontract Administrator, on estimates of work accomplished which meets the standards of quality established under the subcontract, as approved by the NREL Subcontract Administrator.
    1. The Subcontractor's request for progress payments shall include the following substantiation:
        (i) An itemization of the amounts requested, related to the various elements of work required by the subcontract covered by the payment requested.
        (ii) A listing of the amount included for work performed by each lower-tier subcontractor under the subcontract.
        (iii) A listing of the total amount of each lower-tier subcontract under the subcontract.
        (iv) A listing of the amounts previously paid to each such lower-tier subcontractor under the subcontract.
        (v) Additional supporting data in a form and detail required by the NREL Subcontract Administrator.
    2. In the preparation of estimates, the NREL Subcontract Administrator may authorize material delivered on the site and preparatory work done to be taken into consideration. Material delivered to the Subcontractor at locations other than the site also may be taken into consideration if--
        (i) Consideration is specifically authorized by this subcontract; and
        (ii) The Subcontractor furnishes satisfactory evidence that it has acquired title to such material and that the material will be used to perform this subcontract.
C. Subcontractor certification.
Along with each request for progress payments, the Subcontractor shall furnish the following certification, or payment shall not be made: (However, if the Subcontractor elects to delete

paragraph (C)(4) from the certification, the certification is still acceptable.)

I hereby certify, to the best of my knowledge and belief, that--

1. The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the subcontract;
2. All payments due to lower-tier subcontractors and suppliers from previous payments received under the subcontract have been made, and timely payments will be made from the proceeds of the payment covered by this certification, in accordance with lower-tier subcontract agreements and the requirements of chapter 39 of Title 31, United States Code;
3. This request for progress payments does not include any amounts which the Subcontractor intends to withhold or retain from a lower-tier subcontractor or supplier in accordance with the terms and conditions of the lower-tier subcontract; and
4. This certification is not to be construed as final acceptance of a lower-tier subcontractor's performance.

_____
(Name)

_____
(Title)

_____
(Date)

D. Refund of unearned amounts.

If the Subcontractor, after making a certified request for progress payments, discovers that a portion or all of such request constitutes a payment for performance by the Subcontractor that fails to conform to the specifications, terms, and conditions of this subcontract (hereinafter referred to as the "unearned amount"), the Subcontractor shall--

1. Notify the NREL Subcontract Administrator of such performance deficiency; and
2. Be obligated to pay NREL an amount (computed by the NREL Subcontract Administrator in the manner provided in paragraph J of this clause) equal to interest on the unearned amount from the 8th day after the date of receipt of the unearned amount until –
   (i) The date the Subcontractor notifies the NREL Subcontract Administrator that the performance deficiency has been corrected; or
   (ii) The date the Subcontractor reduces the amount of any subsequent certified request for progress payments by an amount equal to the unearned amount.

E. Retainage.

If the NREL Subcontract Administrator finds that satisfactory progress was achieved during any period for which a progress payment is to be made, the NREL Subcontract Administrator shall authorize payment to be made in full. However, if satisfactory progress has not been made, the NREL Subcontract Administrator may retain a maximum of 10 percent of the amount of the payment until satisfactory progress is achieved. When the work is substantially complete, the NREL Subcontract Administrator may retain from previously withheld funds and future progress payments that amount the NREL Subcontract Administrator considers adequate for protection of NREL/Government and shall release to the Subcontractor all the remaining withheld funds. Also, on completion and acceptance of each separate building, public work, or other division of the subcontract, for which the price is stated separately in the subcontract, payment shall be made for the completed work without retention of a percentage.

F. Title, liability, and reservation of rights.

All material and work covered by progress payments made shall, at the time of payment, become the sole property of the Government, but this shall not be construed as--

1. Relieving the Subcontractor from the sole responsibility for all material and work upon which payments have been made or the restoration of any damaged work; or
2. Waiving the right of NREL/Government to require the fulfillment of all of the terms of the subcontract.

G. Reimbursement for bond premiums.
In making these progress payments, NREL shall, upon request, reimburse the Subcontractor for the amount of premiums paid for performance and payment bonds (including coinsurance and reinsurance agreements, when applicable) after the Subcontractor has furnished evidence of full payment to the surety. The retainage provisions in paragraph E of this clause shall not apply to that portion of progress payments attributable to bond premiums.

H. Final payment.
NREL shall pay the amount due the Subcontractor under this subcontract after--
1. Completion and acceptance of all work;
2. Presentation of a properly executed voucher; and
3. Presentation of release of all claims against NREL/Government arising by virtue of this subcontract, other than claims, in stated amounts, that the Subcontractor has specifically excepted from the operation of the release. A release may also be required of the assignee if the Subcontractor's claim to amounts payable under this subcontract has been assigned under the Assignment of Claims Act of 1940 (31 U.S.C. 3727 and 41 U.S.C. 15).

I. Limitation because of undefinitized work.
Notwithstanding any provision of this subcontract, progress payments shall not exceed 80 percent on work accomplished on undefinitized subcontract actions. A "subcontract action" is any action resulting in a subcontract, as defined in FAR Subpart 2.1, including subcontract modifications for additional supplies or services, but not including subcontract modifications that are within the scope and under the terms of the subcontract, such as subcontract modifications issued pursuant to the Changes clause, or funding and other administrative changes.

J. Interest computation on unearned amounts.
In accordance with 31 U.S.C. 3903(c)(1), the amount payable under paragraph (D)(2) of this clause shall be--
1. Computed at the rate of average bond equivalent rates of 91-day Treasury bills auctioned at the most recent auction of such bills prior to the date the Subcontractor receives the unearned amount; and
2. Deducted from the next available payment to the Subcontractor.

Clause 64. DIFFERING SITE CONDITIONS (APR 1984)
Derived from FAR 52.236-2
(Applies to construction subcontracts.)

A. The Subcontractor shall promptly, and before the conditions are disturbed, give a written notice to the NREL Subcontract Administrator of--
1. Subsurface or latent physical conditions at the site which differ materially from those indicated in this subcontract, or
2. Unknown physical conditions at the site, of an unusual nature, which differ materially from those ordinarily encountered and generally recognized as inhering in work of the character provided for in the subcontract.

B. The NREL Subcontract Administrator shall investigate the site conditions promptly after receiving the notice. If the conditions do materially so differ and cause an increase or decrease in the Subcontractor's cost of, or the time required for, performing any part of the work under this subcontract, whether or not changed as a result of the conditions, an equitable adjustment shall be made under this clause and the subcontract modified in writing accordingly.

C. No request by the Subcontractor for an equitable adjustment to the subcontract under this clause shall be allowed, unless the Subcontractor has given the written notice required; provided, that the time prescribed in (A) above for giving written notice may be extended by the NREL Subcontract Administrator.

D. No request by the Subcontractor for an equitable adjustment to the subcontract for differing site conditions shall be allowed if made after final payment under this subcontract.

Clause 65. SITE INVESTIGATION AND CONDITIONS AFFECTING THE WORK (APR 1984)
Derived from FAR 52.236-3
(Applies to construction subcontracts.)

A. The Subcontractor acknowledges that it has taken steps reasonably necessary to ascertain the nature and location of the work, and that it has investigated and satisfied itself as to the general and local conditions which can affect the work or its cost, including but not limited to
   1. Conditions bearing upon transportation, disposal, handling, and storage of materials;
   2. The availability of labor, water, electric power, and roads;
   3. Uncertainties of weather, river stages, tides, or similar physical conditions at the site;
   4. The conformation and conditions of the ground; and
   5. The character of equipment and facilities needed preliminary to and during work performance.

   The Subcontractor also acknowledges that it has satisfied itself as to the character, quality, and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is reasonably ascertainable from an inspection of the site, including all exploratory work done by NREL, as well as from the drawings and specifications made a part of this subcontract. Any failure of the Subcontractor to take the actions described and acknowledged in this paragraph will not relieve the Subcontractor from responsibility for estimating properly the difficulty and cost of successfully performing the work, or for proceeding to successfully perform the work without additional expense to NREL.
B. Neither NREL nor the Government assume any responsibility for any conclusions or interpretations made by the Subcontractor based on the information made available by NREL/Government. Nor does NREL/Government assume responsibility for any understanding reached or representation made concerning conditions that can affect the work by any of its officers or agents before the execution of this subcontract, unless that understanding or representation is expressly stated in this subcontract.

Clause 66. MATERIAL AND WORKMANSHIP (APR 1984)
Derived from FAR 52.236-5
(Applies to construction subcontracts.)

A. All equipment, material, and articles incorporated into the work covered by this subcontract shall be new and of the most suitable grade for the purpose intended, unless otherwise specifically provided in this subcontract. References in the specifications to equipment, material, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. The Subcontractor may, at its option, use any equipment, material, article, or process that, in the judgment of the NREL Subcontract Administrator, is equal to that named in the specifications, unless otherwise specifically provided in this subcontract.
B. The Subcontractor shall obtain the NREL Subcontract Administrator's approval of the machinery and mechanical and other equipment to be incorporated into the work. When requesting approval, the Subcontractor shall furnish to the NREL Subcontract Administrator the name of the manufacturer, the model number, and other information concerning the performance, capacity, nature, and rating of the machinery and mechanical and other equipment. When required by this subcontract or by the NREL Subcontract Administrator, the Subcontractor shall also obtain the NREL Subcontract Administrator's approval of the material or articles which the Subcontractor

contemplates incorporating into the work. When requesting approval, the Subcontractor shall provide full information concerning the material or articles. When directed to do so, the Subcontractor shall submit samples for approval at the Subcontractor's expense, with all shipping charges prepaid. Machinery, equipment, material, and articles that do not have the required approval shall be installed or used at the risk of subsequent rejection.

C. All work under this subcontract shall be performed in a skillful and workmanlike manner. The NREL Subcontract Administrator may require, in writing, that the Subcontractor remove from the work any employee the NREL Subcontract Administrator deems incompetent, careless, or otherwise objectionable.

Clause 67. SUPERINTENDENCE BY THE SUBCONTRACTOR (APR 1984)
Derived from FAR 52.236-6
(Applies to construction subcontracts.)

At all times during performance of this subcontract and until the work is completed and accepted, the Subcontractor shall directly superintend the worksite or assign and have on the worksite a competent superintendent who is satisfactory to the NREL Subcontract Administrator and has authority to act for the Subcontractor.

Clause 68. PERMITS AND RESPONSIBILITIES (NOV 1991)
Derived from FAR 52.236-7
(Applies to construction subcontracts.)

The Subcontractor shall, without additional expense to NREL, be responsible for obtaining any necessary licenses and permits, and for complying with any Federal, State, and municipal laws, codes, and regulations applicable to the performance of the work. The Subcontractor shall also be responsible for all damages to persons or property that occur as a result of the Subcontractor's fault or negligence. The Subcontractor shall also be responsible for all materials delivered and work performed until completion and acceptance of the entire work, except for any completed unit of work which may have been accepted under the subcontract.

Clause 69. OTHER CONTRACTS OR SUBCONTRACTS (APR 1984)
Derived from FAR 52.236-8
(Applies to construction subcontracts.)

NREL/Government may undertake or award other contracts or subcontracts for additional work at or near the site of the work under this subcontract. The Subcontractor shall fully cooperate with the other contractors or subcontractors and with NREL/Government employees and shall carefully adapt scheduling and performing the work under this subcontract to accommodate the additional work, heeding any direction that may be provided by the NREL Subcontract Administrator. The Subcontractor shall not commit or permit any act that will interfere with the performance of work by any other contractor, subcontractor, or by NREL/Government employees.

Clause 70. PROTECTION OF EXISTING VEGETATION, STRUCTURES, EQUIPMENT, UTILITIES, AND IMPROVEMENTS (APR 1984)
Derived from FAR 52.236-9
(Applies to construction subcontracts.)

A. The Subcontractor shall preserve and protect all structures, equipment, and vegetation (such as trees, shrubs, and grass) on or adjacent to the work site, which are not to be removed and which do not unreasonably interfere with the work required under this subcontract. The Subcontractor shall only remove trees when specifically authorized to do so, and shall avoid damaging vegetation that will remain in place. If any limbs or branches of trees are broken during subcontract performance, or by the careless operation of equipment, or by workmen, the Subcontractor shall trim those limbs or branches with a clean cut and paint the cut with a tree-pruning compound as directed by the NREL Subcontract Administrator.
B. The Subcontractor shall protect from damage all existing improvements and utilities--
   1. At or near the work site, and
   2. On adjacent property of a third party, the locations of which are made known to or should be known by the Subcontractor.

   The Subcontractor shall repair any damage to those facilities, including those that are the property of a third party, resulting form failure to comply with the requirements of this subcontract or failure to exercise reasonable care in performing the work. If the Subcontractor fails or refuses to repair the damage promptly, the NREL Subcontract Administrator may have the necessary work performed and charge the cost to the Subcontractor.

Clause 71. OPERATIONS AND STORAGE AREAS (APR 1984)
Derived from FAR 52.236-10
(Applies to construction subcontracts.)

A. The Subcontractor shall confine all operations (including storage of materials) on Government premises to areas authorized or approved by the NREL Subcontract Administrator. The Subcontractor shall hold and save NREL/Government, their officers and agents, free and harmless from liability of any nature occasioned by the Subcontractor's performance.
B. Temporary buildings (e.g., storage sheds, shops, offices) and utilities may be erected by the Subcontractor only with the approval of the NREL Subcontract Administrator and shall be built with labor and materials furnished by the Subcontractor without expense to NREL. The temporary buildings and utilities shall remain the property of the Subcontractor and shall be removed by the Subcontractor at its expense upon completion of the work. With the written consent of the NREL Subcontract Administrator, the buildings and utilities may be abandoned and need not be removed.
C. The Subcontractor shall, under regulations prescribed by the NREL Subcontract Administrator, use only established roadways, or use temporary roadways constructed by the Subcontractor when and as authorized by the NREL Subcontract Administrator. When materials are transported in prosecuting the work, vehicles shall not be loaded beyond the loading capacity recommended by the manufacturer of the vehicle or prescribed by any Federal, State, or Local law or regulation. When it is necessary to cross curbs or sidewalks, the Subcontractor shall protect them from damage. The Subcontractor shall repair or pay for the repair of any damaged curbs, sidewalks, or roads.

Clause 72. USE AND POSSESSION PRIOR TO COMPLETION (APR 1984)
Derived from FAR 52.236-11
(Applies to construction subcontracts.)

A. NREL shall have the right to take possession of or use any completed or partially completed part of the work. Before taking possession of or using any work, the NREL Subcontract Administrator shall furnish the Subcontractor a list of items of work remaining to be performed or corrected on those portions of the work that NREL intends to take possession of or use. However, failure of the NREL Subcontract Administrator to list any item of work shall not relieve the Subcontractor of responsibility for complying with the terms of the subcontract. NREL's possession or use shall not be deemed an acceptance of any work under the subcontract.
B. While NREL has such possession or use, the Subcontractor shall be relieved of the responsibility for the loss of or damage to the work resulting from NREL's possession or use, notwithstanding the terms of the clause in this subcontract entitled "Permits and Responsibilities." If prior possession or use by NREL delays the progress of the work or causes additional expense to the Subcontractor, an equitable adjustment shall be made in the subcontract price or the time of completion, and the subcontract shall be modified in writing accordingly.

Clause 73. CLEANING UP (APR 1984)
Derived from FAR 52.236-12
(Applies to construction subcontracts.)

The Subcontractor shall at all times keep the work area, including storage areas, free from accumulations of waste materials. Before completing the work, the Subcontractor shall remove from the work and premises any rubbish, tools, scaffolding, equipment, and materials that are not the property of NREL/Government. Upon completing the work, the Subcontractor shall leave the work area in a clean, neat, and orderly condition satisfactory to the NREL Subcontract Administrator.

Clause 74. ACCIDENT PREVENTION (NOV 1991) AND ALTERNATE I (NOV 1991)
Derived from FAR 52.236-13
(Applies to construction subcontracts.)

A. The Subcontractor shall provide and maintain work environments and procedures which will--
    1. Safeguard the public, NREL/ Government, and personnel, property, materials, supplies, and equipment exposed to Subcontractor operations and activities;
    2. Avoid interruptions of NREL/Government operations and delays in project completion dates; and
    3. Control costs in the performance of this subcontract.
B. For these purposes, on subcontracts for construction or dismantling, demolition, or removal of improvements, the Subcontractor shall—
    1. Provide appropriate safety barricades, signs, and signal lights;
    2. Comply with the standards issued by the Secretary of Labor at 29 CFR Part 1926 and 29 CFR Part 1910; and
    3. Ensure that any additional measures the NREL Subcontract Administrator determines to be reasonable necessary for the purposes are taken
C. Reserved.
D. Whenever the NREL Subcontract Administrator becomes aware of any noncompliance with these requirements or any condition which poses a serious or imminent danger to the health or safety of the public or Government personnel, the NREL Subcontract Administrator shall notify the Subcontractor orally, with written confirmation, and request immediate initiation of corrective action. This notice, when delivered to the Subcontractor or the Subcontractor's representative at the site of the work, shall be deemed sufficient notice of the noncompliance and corrective action required. After receiving the notice, the Subcontractor shall immediately take corrective action. If

the Subcontractor fails or refuses to take corrective action promptly, the NREL Subcontract Administrator may issue an order stopping all or part of the work until satisfactory corrective action has been taken. The Subcontractor shall not be entitled to any equitable adjustment of the contract price or extension of the performance schedule on any stop work order issued under this clause.

E. The Subcontractor shall insert this clause, including this paragraph (K), with appropriate changes in the designation of the parties, in lower-tier subcontracts.

F. Before commencing the work, the Subcontractor shall--
   1. Submit a written proposed plan for implementing this clause. The plan shall include an analysis of the significant hazards to life, limb, and property inherent in subcontract work performance and a plan for controlling these hazards; and
   2. Meet with representatives of the NREL Subcontract Administrator to discuss and develop a mutual understanding relative to administration of the overall safety program.

Clause 75. AVAILABILITY AND USE OF UTILITY SERVICES (APR 1984)
Derived from FAR 52.236-14
(Applies to construction subcontracts to be performed on a Government-owned or –leased facility.)

A. NREL shall make all reasonably required amounts of utilities available to the Subcontractor from existing outlets and supplies, as specified in the subcontract. Unless otherwise provided in the subcontract's schedule, the utility service consumed shall be at no charge. If the subcontract's schedule does provide an amount for each utility service consumed, then that amount of each utility service consumed shall be charged to or paid for by the Subcontractor at prevailing rates charged to NREL or, where the utility is produced by the Government, at reasonable rates determined by the DOE Contracting Officer. The Subcontractor shall carefully conserve any utilities furnished without charge.

B. The Subcontractor, at its expense and in a workmanlike manner satisfactory to the NREL Subcontract Administrator, shall install and maintain all necessary temporary connections and distribution lines, and all meters required to measure the amount of each utility used for the purpose of determining charges. Before final acceptance of the work by NREL, the Subcontractor shall remove all the temporary connections, distribution lines, meters, and associated paraphernalia.

Clause 76. CHANGES - FIXED PRICE CONSTRUCTION (AUG 1987)
Derived from FAR 52.243-4
(Applies to construction subcontracts exceeding $100,000.)

A. The NREL Subcontract Administrator may, at any time, without notice to the sureties, if any, by written order designated or indicated to be a change order, make changes in the work within the general scope of the subcontract, including changes--
   1. In the specifications (including drawings and designs);
   2. In the method or manner of performance of the work;
   3. In the Government-furnished facilities, equipment, materials, services, or site; or
   4. Directing acceleration in the performance of the work.

B. Any other written or oral order (which, as used in this paragraph (B), includes direction, instruction, interpretation, or determination) from the NREL Subcontract Administrator that causes a change shall be treated as a change order under this clause; provided, that the Subcontractor gives the NREL Subcontract Administrator written notice stating--
   1. The date, circumstances, and source of the order; and
   2. That the Contractor regards the order as a change order.

C. Except as provided in this clause, no order, statement, or conduct of the NREL Subcontract

Administrator shall be treated as a change under this clause or entitle the Subcontractor to an equitable adjustment.

D. If any change under this clause causes an increase or decrease in the Subcontractor's cost of, or the time required for, the performance of any part of the work under this subcontract, whether or not changed by any such order, the NREL Subcontract Administrator shall make an equitable adjustment and modify the contract in writing. However, except for an adjustment based on defective specifications, no adjustment for any change under paragraph (B) of this clause shall be made for any costs incurred more than twenty (20) days before the Subcontractor gives written notice as required. In the case of defective specifications for which NREL/Government is responsible, the equitable adjustment shall include any increased cost reasonably incurred by the Subcontractor in attempting to comply with the defective specifications.

E. The Subcontractor must assert its right to an adjustment under this clause within thirty (30) days after--
   1. Receipt of a written change order under paragraph (A) of this clause, or
   2. The furnishing of a written notice under paragraph (B) of this clause, by submitting to the NREL Subcontract Administrator a written statement describing the general nature and amount of the proposal, unless this period is extended by NREL/Government. The statement of proposal for adjustment may be included in the notice under paragraph (B) above.

Clause 77. IDENTIFICATION OF GOVERNMENT-FURNISHED PROPERTY (APR 1984)
Derived from FAR 52.245-3
(Applies to construction subcontracts where NREL/Government property is provided.)

A. NREL will furnish to the Subcontractor the property identified in the Schedule to be incorporated or installed into the work or used in performing the subcontract. The listed property will be furnished f.o.b. railroad cars at the place specified in the subcontract Schedule or f.o.b. truck at the project site. The Subcontractor is required to accept delivery, pay any demurrage or detention charges, and unload and transport the property to the job site at its own expense. When the property is delivered, the Subcontractor shall verify its quantity and condition and acknowledge receipt in writing to the NREL Subcontract Administrator. The Subcontractor shall also report in writing to the NREL Subcontract Administrator within twenty-four (24) hours of delivery any damage to or shortage of the property as received. All such property shall be installed or incorporated into the work at the expense of the Subcontractor, unless otherwise indicated in this subcontract.

B. Each item of property to be furnished under this clause shall be identified in the Schedule by quantity, item, and description.

Clause 78. INSPECTION OF CONSTRUCTION (AUG 1996)
Derived from FAR 52.246-12
(Applies to construction subcontracts.)

A. Definition.

"Work" includes, but is not limited to, materials, workmanship, and manufacture and fabrication of components.

B. The Subcontractor shall maintain an adequate inspection system and perform such inspections as will ensure that the work performed under the subcontract conforms to subcontract requirements. The Subcontractor shall maintain complete inspection records and make them available to NREL/Government. All work shall be conducted under the general direction of the NREL Subcontract Administrator and is subject to NREL/Government inspection and test at all places and at all reasonable times before acceptance to ensure strict compliance with the terms of the subcontract.

C. NREL/Government inspections and tests are for the sole benefit of NREL/Government and do not--
   1. Relieve the Subcontractor of responsibility for providing adequate quality control measures;
   2. Relieve the Subcontractor of responsibility for damage to or loss of the material before acceptance;
   3. Constitute or imply acceptance; or
   4. Affect the continuing rights of NREL/Government after acceptance of the completed work under paragraph (i) of this section.

D. The presence or absence of a NREL/Government inspector does not relieve the Subcontractor from any subcontract requirement, nor is the inspector authorized to change any term or condition of the specification without the NREL Subcontract Administrator's written authorization.

E. The Subcontractor shall promptly furnish, at no increase in subcontract price, all facilities, labor, and material reasonably needed for performing such safe and convenient inspections and tests as may be required by the NREL Subcontract Administrator. NREL may charge to the Subcontractor any additional cost of inspection or test when work is not ready at the time specified by the Subcontractor for inspection or test, or when prior rejection makes reinspection or retest necessary. NREL/Government shall perform all inspections and tests in a manner that will not unnecessarily delay the work. Special, full size, and performance tests shall be performed as described in the subcontract.

F. The Subcontractor shall, without charge, replace or correct work found by NREL/Government not to conform to subcontract requirements, unless in the public interest NREL/Government consents to accept the work with an appropriate adjustment in subcontract price. The Subcontractor shall promptly segregate and remove rejected material from the premises.

G. If the Subcontractor does not promptly replace or correct rejected work, NREL may--
   1. By subcontract or otherwise, replace or correct the work and charge the cost to the Subcontractor; or
   2. Terminate for default the Subcontractor's right to proceed.

H. If, before acceptance of the entire work, NREL/Government decides to examine already completed work by removing it or tearing it out, the Subcontractor, on request, shall promptly furnish all necessary facilities, labor, and material. If the work is found to be defective or nonconforming in any material respect due to the fault of the Subcontractor or its lower-tier subcontractors, the Subcontractor shall defray the expenses of the examination and of satisfactory reconstruction. However, if the work is found to meet subcontract requirements, the NREL Subcontract Administrator shall make an equitable adjustment for the additional services involved in the examination and reconstruction, including, if completion of the work was thereby delayed, an extension of time.

I. Unless otherwise specified in the subcontract, NREL shall accept, as promptly as practicable after completion and inspection, all work required by the subcontract or that portion of the work the NREL Subcontract Administrator determines can be accepted separately. Acceptance shall be final and conclusive except for latent defects, fraud, gross mistakes amounting to fraud, or NREL's/Government's rights under any warranty or guarantee.

Clause 79. WARRANTY OF CONSTRUCTION (MAR 1994) AND ALTERNATE I (APR 1984)
Derived from FAR 52.246-21
(Applies to construction subcontracts.)
(Alternate I applies if NREL specifies in the subcontract the use of any equipment by "brand and model.")

A. In addition to any other warranties in this subcontract, the Subcontractor warrants, except as provided in paragraph (J) of this clause, that work performed under this subcontract conforms to the subcontract requirements and is free of any defect in equipment, material, or design furnished, or

workmanship performed by the Subcontractor or any Subcontractor or supplier at any tier.

B. This warranty shall continue for a period of one (1) year from the date of final acceptance of the work. If NREL/Government takes possession of any part of the work before final acceptance, this warranty shall continue for a period of one (1) year from the date NREL/Government takes possession.

C. The Subcontractor shall remedy at the Subcontractor's expense any failure to conform, or any defect. In addition, the Subcontractor shall remedy at the Subcontractor's expense any damage to NREL/Government-owned or -controlled real or personal property, when that damage is the result of--
   1. The Subcontractor's failure to conform to subcontract requirements, or
   2. Any defect of equipment, material, workmanship, or design furnished.

D. The Subcontractor shall restore any work damaged in fulfilling the terms and conditions of this clause. The Subcontractor's warranty with respect to the work repaired or replaced will run for one (1) year from the date of repair or replacement.

E. The NREL Subcontract Administrator shall notify the Subcontractor, in writing, within a reasonable time after the discovery of any failure, defect, or damage.

F. If the Subcontractor fails to remedy any failure, defect, or damage within a reasonable time after receipt of notice, NREL/Government shall have the right to replace, repair, or otherwise remedy the failure, defect, or damage at the Subcontractor's expense.

G. With respect to all warranties, express or implied, from lower-tier subcontractors, manufacturers, or suppliers for work performed and materials furnished under this subcontract, the Subcontractor shall--
   1. Obtain all warranties that would be given in normal commercial practice;
   2. Require all warranties to be executed, in writing, for the benefit of NREL/Government, if directed by the NREL Subcontract Administrator; and
   3. Enforce all warranties for the benefit of NREL/Government, if directed by the NREL Subcontract Administrator.

H. In the event the Subcontractor's warranty under paragraph (B) of this clause has expired, NREL/Government may bring suit at its expense to enforce a lower-tier subcontractor's, manufacturer's, or supplier's warranty.

I. Unless a defect is caused by the negligence of the Subcontractor or lower-tier subcontractor or supplier at any tier, the Subcontractor shall not be liable for the repair of any defects of material or design furnished by NREL nor for the repair of any damage that results from any defect in Government-furnished material or design.

J. This warranty shall not limit NREL's/Government's rights under the Inspection and Acceptance clause of this subcontract with respect to latent defects, gross mistakes, or fraud.

Alternate I (APR 1984)
If NREL specifies in the subcontract the use of any equipment by "brand and model," the following paragraph (K) shall be added to the basic clause:

K. Defects in design or manufacture of equipment specified by NREL on a "brand name and model" basis, shall not be included in this warranty. In this event, the Subcontractor shall require any lower-tier subcontractors, manufacturers, or suppliers thereof to execute their warranties, in writing, directly to NREL/Government.